

<110> Feng et al.

<120> 125 Human Secreted Proteins

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<140> Unassigned

<141> 1999-05-05

<150> PCT/US98/23435

<151> 1998-11-04

<150> 1997-11-07

<151> 60/064,911

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<160> 612

<170> PatentIn Ver. 2.0

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<210> 23

<211> 1066

<212> DNA

<213> Homo sapiens

<400> 23

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<210> 24

<211> 928

<212> DNA

<213> Homo sapiens

<400> 24

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<210> 25
 <211> 966
 <212> DNA
 <213> Homo sapiens

<400> 25						
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<210> 26
 <211> 1146
 <212> DNA
 <213> Homo sapiens

<400> 26						
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ctctct							1146

<210> 27
 <211> 802
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (337)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (359)
 <223> n equals a,t,g, or c

<400> 27							
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<210> 28
 <211> 1169
 <212> DNA
 <213> Homo sapiens

<400> 28							
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<210> 29
 <211> 1466
 <212> DNA
 <213> Homo sapiens

<400> 29						60
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<210> 30
 <211> 1226
 <212> DNA
 <213> Homo sapiens

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<210> 31
 <211> 1094
 <212> DNA
 <213> Homo sapiens

<400> 31						
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<210> 32
 <211> 1037
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (6)
 <223> n equals a, t, g, or c

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aaaaaaaaaa	actcgag					1037

<210> 33

<211> 1376

<212> DNA

<213> Homo sapiens

<400> 33

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<210> 34

<211> 1220

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (803)

<223> n equals a,t,g, or c

<400> 34

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gggaagggag	tccgagaacc	ctcttcgtgg	actcaacttc	ccaggcttct	gtccctgctg	180
cagaatgccc	aggccacaga	gaagggaccc	ccttttcagg	agcttccacg	tcacaggctt	240

ttatggggcc	tttcttgctt	gtgtttctgt	ttcccatcct	gaggggtgtg	ggaataatac	300
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ttattgttat	tatttttctt	ttaaagtctt	taaaagtgac	cagcttggtc	aagtggagtc	600
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aaaaaaaaaa	aaaactcgt					1220

<210> 35
 <211> 1346
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (880)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1115)
 <223> n equals a,t,g, or c

<400> 35						
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tttttctttt	ccttccttcc	tcctttcctt	tcccttccty	ttcctsttcc	tccattcttc	180
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<210> 36
 <211> 1026
 <212> DNA
 <213> Homo sapiens

<400> 36						
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cctagctgag	atggctgctg	atgcctgcag	gtataagtga	ctgtcaattt	tccttactca	180
tttatcttgc	tgtctcatgt	ttaaactaga	agaagtgtgt	catctcaagt	gtcctcaatg	240
tcaatctatc	atgtttgcct	aattttgtct	ttgtacatca	catctcacag	tcaccagaac	300
atgagtagct	gtcttcagggt	gcctctgtct	ctgttatctt	gccactgaa	gggagagcac	360
ttaagccaat	ttgcaggaga	ccacagtttg	ccagagggtca	gagacagaaa	tcaccactgc	420
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aacctaataa	acacgccggg	cctaaagtgt	gattccaaga	tttatgacag	aatcaggcaa	540
aactaaatta	aaataatatc	tgtgaaaact	ggacaacctg	aacataagtt	gatttttcca	600
gagaccaaag	aacaaatcat	tgcacaaaca	catacctttt	caaactgaaa	atgattccag	660
agttaacttc	atggacctaa	atatgaatat	taacatctca	caaatactat	ttgtaatttt	720
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taggggcttc	caccaccctt	atcctctgaa	ataacactag	agcttttgcc	atttcctcca	900
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tgcgta						1026

<210> 37
 <211> 832
 <212> DNA
 <213> Homo sapiens

<400> 37						
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gttatttgcc	atttactttc	tgtgtataat	cacatcaact	tggaaatccta	ggacacagca	240
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ttgtaattaa	gaaattacag	catttatcag	aaaatcattg	ctgttttcca	ttgtaatttg	780
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<210> 38
 <211> 706
 <212> DNA
 <213> Homo sapiens

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agtgcctttt	tgtgtgcaac	cacttaccct	ttctctgaaa	aacctgttct	caggaaggat	660
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<213> Homo sapiens

<223> n equals a, t, g, or c

<223> n equals 'a,t,g, or.c

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<212> DNA

<213> Homo sapiens

<400> 40

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<210> 41

<211> 914

<212> DNA

<213> Homo sapiens

<400> 41

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<210> 42

<211> 1131

<212> DNA

<213> Homo sapiens

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<210> 43
<211> 1333
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (411)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (1264)  
<223> n equals a,t,g, or c
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<220>
<221> SITE
<222> (1319)
<223> n equals a,t,g, or c
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[illegible]

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 <211> 1004
 <212> DNA
 <213> Homo sapiens

<400> 44						
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<210> 45
 <211> 1494
 <212> DNA
 <213> Homo sapiens

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 <211> 1166
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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<211> 1038

<212> DNA

<213> Homo sapiens

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<211> 1176

<212> DNA

<213> Homo sapiens

<400> 49

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<211> 731
<212> DNA
<213> Homo sapiens
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<210> 51
<211> 1437
<212> DNA
<213> Homo sapiens
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<210> 52
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 <212> DNA
 <213> Homo sapiens

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<400> 52
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 <211> 1037
 <212> DNA
 <213> Homo sapiens

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1037

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 <212> DNA
 <213> Homo sapiens

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 <211> 822
 <212> DNA
 <213> Homo sapiens

<400> 56						
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aggctgaggg	aggaggatag	gttgagcatg	ggargttgag	gctgcartgt	gccttgatgg	780
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<210> 57
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (536)
 <223> n equals a,t,g, or c

<400> 57						
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ctgtcccgtg	accaaactcc	tctctgtccc	cagctggact	cctctagatg	ctcagatgct	120
ccttctcttc	tttccttctc	tgtcacacca	ttcttctggt	ccttggtctt	tctgtctatc	180
tccttgtgga	gscawagggt	tggggtttat	atgagtacag	gataggtgac	atgggtggatc	240
aaaaggcaac	attttgtgtg	caaaaacagg	aatgcctgtt	cccattaggg	tcattgggttk	300
ccagggttga	gggtggggcc	tttgctaggg	aaccaccctc	ttctaccagg	tattttcctg	360
tctcctgtct	gtatcaatag	gtacacaata	twtattaaat	taatkaatga	ctatacatta	420
tgaatggga	aatgcaaggt	ataaaggaga	attgctgtcc	ttgaaaagaa	atttagtttg	480
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<210> 58
 <211> 1262
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (12)
 <223> n equals a,t,g, or c

<400> 58

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ctgtatgagt	gcattgctga	gccatcatgt	tcccctgttt	tatctcactg	gatgcctctt	120
ctcactgctt	gcctcttggg	attgtaatgg	gaaagagggt	gctgggagag	caatcaaagg	180
caaaaataat	acatggaatt	gtatgatttt	atctaaaagta	aaattctaga	ctgctttcac	240
ttattttcatt	tcctcccat	acaaatttga	tgagcaggta	cacactttct	ttaaaacatt	300
ccaagtgtat	atagattcag	tgcttatttc	tcagcttttt	ctttcttaag	ttcatctctg	360
tcacctagct	tttattttta	atactcaatt	tctgaggctt	aggaaatact	tgttacctta	420
agcgtttttt	tgtttttttt	ttgttgttgt	tttgtttttt	tttagtgtat	ttgctattga	480
tactttgcta	ttgatacctt	tacttgccaa	gatttatttt	aagttggcca	agataccaag	540
aaggtggctt	gcaggggcat	ctttggcttc	tcataatttt	aaacagtcac	tgctttcaag	600
atcatcctaa	acaagaatta	atagagagaa	aaaaatctat	aaagcatgtg	ttgaaaatcc	660
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gtgggcacgg	tcaaagtgt	ttttgtaagt	tctattttaat	acttgcgaca	accctgagat	780
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gtaactttcc	ccagataact	cagtaaacag	tggagctgga	attcaaacat	gtacggctctg	900
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ctgagtgttt	ttattaatta	ctttttggct	attaatgtca	attatttttg	tgatcaatcc	1140
tagttatcca	aggagtcaca	tcactcgtaa	aaattacaag	aaaaatctct	aagtccctct	1200
caccctccct	ctaaccagat	tgcataccaa	gcttctatag	aaactctggt	accactcggt	1260
cc						1262

<210> 59

<211> 1269

<212> DNA

<213> Homo sapiens

<400> 59

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atacagctaa	gtaggtcagt	gattaccaat	cagtgtgggtg	agtacatgaa	acagcaggca	120
agggttggga	cagccctggt	tgaaatttgg	aagtgaataat	catgggtgcac	aaagccatcc	180
ttgctctgct	tccttgggga	ttctctgctg	atgaattact	ggcttcccta	atgatgtkct	240
ttacagagaa	gtatcagaac	tgcagttcta	ccacagacat	astgaatcaa	caactcagga	300
gcttgggcca	gaactttatg	tttcaacaaa	atctccagtt	gattctgatg	tagcctaaaag	360
tttaagaacc	acattgctat	agagcataaa	ttatttgagg	gtagtgtctca	cggattatct	420
aaactgatat	ttctagtgtc	cagtgtctga	cctaaagtaa	gaattccaga	catgtttatg	480
aaagagtga	gagggtcaaa	gattttgctt	ttgaaccttt	tgagtttctg	tatgactcct	540
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aaatgtccag	gaaagacctg	tgactgaaaa	agtcatgcta	ttcacccttc	aagtccact	660
ccaagtcata	ctgtctttgc	agatctttct	aacttaaacc	ccgkgctcta	tgatcctcct	720
gtctgcgtcc	attctttatt	atttaagtga	ccatatccta	actgaatatt	gaccatcatt	780
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ttgaaattat	tagcaaagct	attcctatca	gacttagtcc	tgaagacaag	ccaggtcttg	960
gtaattttac	accttacatt	attttcaaac	agatcagggt	acagtccarg	agccaggttt	1020
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ccagggaaat	gtcttcaata	tcattttatt	tgagatcttg	ctcgaaactg	tcattggaga	1140
tgtagctgt	taatgaatgc	aaaaagttga	taagttttag	ctttcttttt	ttgatattgt	1200
ggcttttagaa	agtcaaaaatt	ctaagactaa	aagaccttca	agagagaaat	taataaaaaa	1260
aaactcgta						1269

<210> 60

<211> 1829

<212> DNA

<213> Homo sapiens

<400> 60

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tcacctatct	gattcctcaa	aataaatata	tacaactctt	cactaccatc	ctcagtttct	180
tctcaggagt	cctctctctc	ctagagtgc	agttgtctac	cagtagctgt	acctgcctga	240
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taccagaacg	cactgcaatg	cctcgtagca	ttgtccgtgc	acacactgtg	aattccctaa	360
acaaaaaagt	ccaaacacgt	cacgtaacct	gggctctgtg	atttggaatc	tatttcttgc	420
agtatatgtt	catctttatg	gaaaaagctt	tgtgggtgtg	tgctgtgtct	ccaaccatgt	480
tgtctctatt	tggaattatg	gttgggggtt	gtaaaaagat	ctggaagatg	gtttttttaa	540
aaatccttggc	ctgctgaatg	aatagtttct	cctgcaacat	tgtgggtta	ataataaata	600
ttatcatata	aataaacttt	cctgtattgt	taagtctata	catcacaac	acttatgata	660
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catctcttgt	ttcctatcat	aaaacacttt	taaggatg	ttgctgatga	ttctacattc	900
atgttgacat	tttcactaca	aattttatata	tctataaaaa	ttatatagac	cagcttttca	960
aatgtttgaa	agttgggtcaa	tattacactg	tagagatcat	gttgatttta	ttttcataaa	1020
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gcaaataactt	tctcccagcc	cgtgggttgt	atttttcattc	ttgacaacgt	ctttttagtc	1740
acactgggtt	ttaattttta	taaaagtcag	cttattaatt	attaaaaaaa	aaaaaaaaaa	1800
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa				1829

<210> 61

<211> 1112

<212> DNA

<213> Homo sapiens

<400> 61

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ctgactctat	atcttcat	tatccttttc	gtattttccta	ttacctctaa	tttctcttcc	120
ctgcacccat	ttctatttat	ttcatcccag	tttacctcct	gctgccagat	taattttcct	180
aatgcacagg	ctctatcata	tcatgagttt	ctcattgcta	catatgacta	atttgccaat	240
attttttgcac	atcagaatgt	gtatcacttt	gaggctgggt	ctgtgtttgt	tttagtttag	300
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agccacacat	cttgtaaaaa	atgtataaga	ttaattttct	atgttaggac	catttgtttt	420
caccaattcc	atagagctcc	aatgtgtaaa	agaagacact	gatctaactc	ttgtgttaaa	480
tatttagtaa	ctcatttatc	tggaagaaa	caaaaacaaa	caaaaataca	aggaataaaa	540
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ctcttaaaat	agattgagat	tcaaattgag	attcatgtct	atttttttaa	cattgtgtct	1020

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 tgctaagtta aaaaaaaaaa aaaaaaactc ga 1112

<210> 62
 <211> 1674
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (734)
 <223> n equals a,t,g, or c

<400> 62
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 gacaggacct ggctgttggt tctctctgac cctaacagga tttatgccct gcacccgcgg 180
 tgtttttcac tgttttattc ttattattct tattctcttg gcgtcacatg cgttttagtgg 240
 atctggaaat caaaggctga aggaagcgct gacattgac gtatctgtta atgtggatat 300
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 aaaacagtac cccagtgttg cgtttacatg cagcagaaat agctggatgg agagagattt 420
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 rarararagg aatgtggtat cgcagacgct acagtgtctg ccagtttagg gatagaagta 840
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 tgcctccaga gtatctaggc attagttaca tgccatgtta cagatgagat tgcccaggca 1560
 cagtggctca tgcctaaaat cccagcactt tgggagacca cagtgggaag atcacttgaa 1620
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<210> 63
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<400> 63
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 caccactca ctcagccttc tccatttacc ctcccaagtc tttggcgagg tacactcatc 180
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 gcggatgat gaccacatag aggccaaac tcttaaacc atcaatacca atgatcacat 300
 ttcaatctag acttctaagc aacggctgaa atctctccag gccaaaggag agtttgtatc 360
 accttaccag aagcttctcc ggaacaattg gccagaagcc tagagtccag aaaccagac 420
 acatgcagta agcaatttcc agtttctcta taatttagaa gaggacacca tgatatgtaa 480

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<210> 64
 <211> 1051
 <212> DNA
 <213> Homo sapiens

<400> 64						
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cttcaaactt	atcttcccc	actcttttat	catctacgag	aaattggggc	tcaaccactt	360
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gggattacag	gcatgagaca	ccaagtccag	ccataagggt	cttattctat	atatacatga	900
aatgatatca	cttgaaggta	gactgtgata	agttaaatac	gtatattttt	taaatcttca	960
aacaaccact	aaaataaaa	aacaaagagt	tacaactaaa	aaaaaaaaaa	aaaaaactac	1020
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<210> 65
 <211> 1182
 <212> DNA
 <213> Homo sapiens

<400> 65						
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ttcaaactct	tcttaagtga	agagctgggc	tctgaggttt	tgaacctact	gacaaataaa	120
cagtatgagt	tgctttcaaa	gaaccttcgc	aagaccagag	agttgtttgt	tcattggctta	180
cctggatcag	ggaagactat	cttggctctt	aggatcatgg	agaagatcag	gaatgtgttt	240
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gaaaaatata	aagacaggct	tctaacagca	atgaggaaga	gaaaactgtc	tcagctccat	900

gaggagtctg	atctgttact	acagatcggt	gatgcgtcgg	atgttctaac	cgatcacatt	960
gtgttggaca	gtgtctgtcg	atcttcaggc	ctggaaagaa	atatacgtgtt	tggaatcaat	1020
ccaggagtag	ccccaccggc	tggggcctac	aatcttctgc	tctgtttggc	ttctagggca	1080
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<210> 66
 <211> 675
 <212> DNA
 <213> Homo sapiens

<400> 66						
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aacctcattg	atcttggcca	gaaaaaggta	tgggtcagcc	agtgggtctg	gggactgtgg	300
gtaaaagtga	atgtcatccc	aagagatgcc	tcacctcta	tgctgtggg	gctcttcatt	360
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gatccaactc	cttgtttctac	tctttccccc	cttctcagtg	ctgcacttga	ctagactaaa	660
aaaaaaaaaa	aaaaa					675

<210> 67
 <211> 1105
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (797)
 <223> n equals a,t,g, or c.

<400> 67						
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aaaaaaaaaa	aaaaaggcg	gccgc				1105

<210> 68
 <211> 1279
 <212> DNA
 <213> Homo sapiens

<400> 68
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<210> 69
 <211> 1638
 <212> DNA
 <213> Homo sapiens

<400> 69
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 caacaccaa gcctgccag acagcctcgg cagcccagcc ccagccatg cctaccagg 180
 gggcgctctg tagctatgcc agcggggctg ggcaggccag ccgggcatcc tgaccgatgg 240
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 agaaagaatg cttggaaact tgagtctccc tagaagtga aagttagcag aggcccttag 540
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 agtgatctaa atttgacga atgatactaa acaactctct gaaattttct aagcaccaag 1380

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cgtacatttc	cattatttgc	taaaatcatg	caatctgatg	cttctctttt	ctcttgtaca	1560
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aaaaaaaaaa	aaaaaaaaaa					1638

<210> 70
 <211> 887
 <212> DNA
 <213> Homo sapiens

<400> 70						
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aaaaatttat	agtaagtggg	tctcacaatt	cattttctaa	ttagtaattg	atagttttac	420
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<210> 71
 <211> 864
 <212> DNA
 <213> Homo sapiens

<400> 71						
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aaaaaaaaaa	aaaaaaaaaa	aaaa				864

<210> 72
 <211> 1217
 <212> DNA
 <213> Homo sapiens

<400> 72

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<210> 73
 <211> 1717
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (712)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (721)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (903)
 <223> n equals a,t,g, or c

<400> 73						
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<210> 74

<211> 1276

<212> DNA

<213> Homo sapiens

<400> 74

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<210> 75

<211> 1144

<212> DNA

<213> Homo sapiens

<400> 75

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cgta						1144

<210> 76
 <211> 918
 <212> DNA
 <213> Homo sapiens

<400> 76						
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tatactatgc	atgccagata	cccaagactc	aaacttttcc	tttcctttag	ataccaccta	360
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ccaggcgag	tggtcacac	ctgtaatccc	agcactttgg	gaggctgagg	ctggcgagtc	840
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ataaaaaaaaa	aactcgag					918

<210> 77
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 77						
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tttttatcac	tagccactg	ggccccacc	ctgttggtg	tcagtgtcc	ccaaactgac	360
aagtgccctg	aggaggaaac	gctcggatgc	aggcgcagct	cagttcattt	cctttctatg	420
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tgacccccctt	ctgaatgaca	ctcaaggtaa	gggtccccctt	cccactcaca	ggtgaggtga	1020
aacattttcac	cttgaaaagc	ctcttgcccc	cagcctcccc	tcgta		1065

<210> 78
 <211> 1126
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1124)
 <223> n equals a,t,g, or c

<400> 78						
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cctctatgct	aggttggtcac	agtcaccagc	tactagactc	ttggctacaa	cattttctcac	240
caagagcagt	gtccttgggg	aaaaactaaa	cagggatgag	aaaggggtta	ggaataaaac	300
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aatctctcat	ccagaactcc	cctttgaatt	tgagatccta	tatctaaggg	cccacctcca	900
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gctcccaaac	gagtcattgt	tcactcttcca	ctccttattt	cagtaactgg	aactccatcc	1020
ctccagaagc	acaaaaacaga	acctgggagt	catccttgat	tcttgctatt	tcctcacctc	1080
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<210> 79
 <211> 984
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (232)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (332)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (333)
 <223> n equals a,t,g, or c

<220>

<221> SITE
 <222> (929)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (943)
 <223> n equals a,t,g, or c

<400> 79
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 gcgggactgc ggcccagtgg ataccaaggt cacagatgac aaaaacgaga cattgagttc 480
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 aatcttcaag gatttcgtta ccacctataa tcggacgtat gagtcaagg aggaaccca 600
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 ctgtggcaca gctcagtatg gggtcaccaa gttcagtgc cttacagagg aggarttcca 720
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 gtctgtggc gactctgcc catccgartg ggactggarg araaaggggg scgtcaccaa 840
 agtcaagaac caggcatgk tggctcctgc tgggctttct cartactgg taactgtggag 900
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 tgacaaggtg gacaaggctg cctg 984

<210> 80
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<400> 80
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 atccattagg agggggtgtg gaaaggatgc ccaggtggcc acttttataa ctgctgtcct 180
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 ctgtaaccca tctgggtttg gcagaggcta ggtagggttaa ctgaacaggg atttaaaaag 960
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 tgggagacca acgcaggcag atcactggag gccaggagtt tgagactagc ctgagcaaca 1200
 tggtgaaacc ccactcttac ttaaaaaaaaa aaaaaaaaaa ctcgtag 1247

<210> 81

<211> 958
 <212> DNA
 <213> Homo sapiens

<400> 81
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 aatgtacagt tgaagttgag acatgaatct ctgcatgtag gggaaatttt gtgtctggtt 120
 agtcaagaaa ctatggaaac caattcttga tattttgaac cattcacgaa gatagtttga 180
 gtcattgagca tgctgttgct tagagtgggc ggggatgact cattggagtg gatgcgctgc 240
 tctgtacttg atttttttga gtctgaaatt agctttccag gctggggcag ggagggggagc 300
 acaggtggga tcagtactgc ccccaagcgg tggagctgtg gtggtggatc aaatactgct 360
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 gcatcaatat ggtgacctcc cgggagtgga ggaccaccag gttgcctaag gaggggtgaa 840
 ccggtccagg tyggaatgaa acatttacaa aaattgacat ttccttatgc atagatat 900
 cactaggtcc ttaaaaccca cgtgaatctg tgattaaaaa aaaaaaaaaa aaactcga 958

<210> 82
 <211> 1392
 <212> DNA
 <213> Homo sapiens

<400> 82
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 cagatgtctc tatgattaat ttttggcctg tcactcatgt ttgcatatgg ctgttgtggc 180
 tccaagcatt ggaagcaaga ggacagggaa gcaacattga ctgtaccagg aactccaaaa 240
 cagtcttcac atcttaattg ttggacaatg ccaaattggtc actcttttct ggaagttgac 300
 tggggacaag atagtggtaa ggattagatt tggccagaaa gtttctgcca cagttagctt 360
 tctgtctaaa atccttattt taactgttgt cacttaatat tcacactttg gaaggacatc 420
 tactgttggg tacaattatg aaaccaactt gaatactttt tagttgaaca tttcagtagt 480
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 ccaaccccca acttttgyta gagagttact ctcttaactt ttgctagaaa gtacaaagt 600
 tctctactct acatgttcag ggctggctgt agaatttcgt tttttaagga aacaggaaga 660
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 ttttgggcac ga 1392

<210> 83
 <211> 1155
 <212> DNA
 <213> Homo sapiens

<400> 83

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aaaaaaaaaa	aaaaa					1155

<210> 84

<211> 1373

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (877)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (897)

<223> n equals a,t,g, or c

<400> 84

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<210> 85
 <211> 1258
 <212> DNA
 <213> Homo sapiens

<400> 85						60
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ccactgggtc	ccactgttcc	ctggagacag	agggctagca	tgctgtcatt	tatctgaagg	180
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<210> 86
 <211> 1318
 <212> DNA
 <213> Homo sapiens

<400> 86						60
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caatatattt	tgatggattg	aaatccacac	tgttgtgctg	aaaatagggg	aaggaaaaaa	1020
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agaatggcgt	gaacccggga	ggcggagctt	gcagtgaagt	gagatagcgc	cactgcactc	1260
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<210> 87
 <211> 978
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (977)
 <223> n equals a,t,g, or c

<400> 87						
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<210> 88
 <211> 1863
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (82)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (112)
 <223> n equals a,t,g, or c

<400> 88						
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cctgcgtctc	catccctgaa	gtggagggct	acgtggctgt	ccttcagcct	gacgcccccc	240
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<210> 89

<211> 2086

<212> DNA

<213> Homo sapiens

<400> 89

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gcaccaatTT	tccttcaata	tccattcttt	acttttcaca	taatgataga	acctttgatt	2040
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<210> 90

<211> 891

<212> DNA

<213> Homo sapiens

<400> 90

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tgtgtcagta	tcacttttag	ttttgttggt	tggttgggtt	gttgtttggt	taatatgcc	840
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<210> 91

<211> 1974

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (654)

<223> n equals a,t,g, or c

<400> 91

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cagtcaattt	tggtataaat	aacacatgcc	tagagcactc	agattaaatt	attacacata	300
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ctgtaaatag	aaacttcaga	gtcagtttca	aaaaacaaga	gatggacata	aggacatgtg	1920
cttatgagta	ggggacaaat	aactagagac	aaaaaaaaaa	aaaaaaaaact	cgta	1974

<210> 92
 <211> 1423
 <212> DNA
 <213> Homo sapiens

<400> 92						
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cccacctcct	gtggccagag	agccctgtcc	tgtgaggggtg	gttgctcacag	tggcaggggt	180
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<210> 93
 <211> 1365
 <212> DNA
 <213> Homo sapiens

<400> 93

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<210> 94

<211> 756

<212> DNA

<213> Homo sapiens

<400> 94

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cactttggga	ggccaagggtg	ggaggatcac	ttgagccctg	gagtttgagg	cttccaggaa	660
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<210> 95

<211> 938

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (479)

<223> n equals a,t,g, or c

<400> 95

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agaacttggc	ctctctgcg	ctcagtggct	cattacagaa	aatgggatgc	cagcacttgc	180
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ccctccccgg	gatgggcagc	akcctggctg	ctccccacag	caaccctgg	ctggcccat	360
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<210> 96
 <211> 928
 <212> DNA
 <213> Homo sapiens

<400> 96						
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cctcttatta	aatagagatt	cctagtattg	ctgttataaa	aaatgtcctg	ctaaacatag	180
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<210> 97
 <211> 1715
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (40)
 <223> n equals a,t,g, or c

<400> 97

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tatagtgggt	aaaatacttt	acatagtcac	acatttacaa	atttttcaag	aggttagcca	180
ctaagacttt	aataatttta	caagggaaaa	agcctttttt	tttytttgat	atacagtttt	240
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ggaatttatt	ctgttgccag	catttaagta	gtcatggcaa	gtcctgtttt	taagaccttt	600
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gcattttgagt	taattttgca	ttatatctag	gaaccatatt	atttaaaatt	tgaatcctat	1620
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<210> 98

<211> 678

<212> DNA

<213> Homo sapiens

<400> 98

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ttgagtaaac	tccccatgac	tctagtaagt	ttccacagta	tttgagtatt	ctttattttc	180
taaagctgta	caaacatcag	ataatcaata	tttgtaagga	tcgataatat	aattttataat	240
gaaattgctt	tatcagctat	taatgttaac	tacatcatct	tcatatagcc	ttataactca	300
tttgtgctat	tccattttcc	tctgttcctt	ttattttcac	ttcccttgta	atggttagtct	360
ctttgtactg	atcttctgaag	agtttcattta	tgattaaaca	tgtttaacatt	ttgtctagaa	420
ttgcaaatat	gttttttctc	attcatttta	ctatgggtgtt	ttattttttg	gttatacaga	480
agttgtatat	tgaaatataa	tcttgttctg	ttttatgact	ttggagtttt	gtgggtttttt	540
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aaaaaaaaaa	aaaaaaaaaa					678

<210> 99

<211> 1541

<212> DNA

<213> Homo sapiens

<400> 99

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cagatatgat ttgctgaggg atatctgaga gaaagcctat gtgtcctttc cataaagcgt 180
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ttaacaacgt taactaaaga agtaattaaa ctccacatt ggacaaggag ggatctagag 480
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ccacctacaa taatcaggca ctgtgccagk tcctaggact gtaaagaaaa ctatctctga 660
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<210> 100
<211> 881
<212> DNA
<213> Homo sapiens

<400> 100
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ggagatgggt ggtgaaggca aaaccatgtg tgtgtgtgtc tatggatgcc tggattcctg 180
accgcagtca gcattgccc acaattccag gtcaaaagaa ggaaagggct ggggtcccatg 240
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cattgcagat gaaaagggtga ggggtctcag tgggtgtgat gggagttaga caacagcact 720
gtttaggagg tgggtttaag ctttttctct aatttaaatt gggtagtaaa ttctgaccct 780
aacatgagta ttgtatctga tgggattcag tttggggaaa aattcagct tgaagtctag 840
caaattccag tttcgggtctc aacctttggg tcatctcgta g 881

<210> 101
<211> 947
<212> DNA
<213> Homo sapiens

<400> 101
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ggatcatggg	ctgagcagat	gccccaaagg	tgtctgccat	gctgtatgca	ggaatgctga	180
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tgtgggtaac	tcaaatgtct	aacattttaa	tatggctgaa	aggggtcgac	tgctgggctg	660
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<210> 102
 <211> 1369
 <212> DNA
 <213> Homo sapiens

<400> 102						
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caaaagaact	tcataattaa	catgacttgc	agattttgtc	ggcagcttcc	tgaaacagat	360
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<210> 103
 <211> 1231
 <212> DNA
 <213> Homo sapiens

<400> 103						
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aaaaaaaata	gcctactttct	actctttttac	tgaaatcaaa	tagatggcat	gtgatgatta	420
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agcaactatt	tattttacttt	tattttattcg	ttttattttat	aatagatatg	tacaaaaatgt	540
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<210> 104

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (288)

<223> n equals a,t,g, or c

<400> 104

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gtagcagtga	actgagatcg	taccattgca	ctccagcctg	ggtgacagag	cgagactctg	1200
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<210> 105

<211> 1151

<212> DNA

<213> Homo sapiens

<400> 105

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acgttttcaga	gcggtttccc	gctggaagtg	ctggaaatac	ccagatgcca	tctgtagcat	180
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gtaggattgt	ggatcataggt	atTTTTatga	atttgtgtta	tgtgaagttg	aggatttgaa	420
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aaagaaaaga	ggctaggcgc	agtggctcag	gcctgtaatt	caagcacttt	gggaggctga	660
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aaaaactcgt	a					1151

<210> 106
 <211> 1628
 <212> DNA
 <213> Homo sapiens

<400> 106						
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aactcccaaa	aattctgtaa	cggggcccctt	gagcccctat	gcttgggtcc	attcccaaac	180
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tttgtttgag	cgttttgtcc	aattatttgt	tcaagacgcc	aagaacctgg	sacaccctcc	300
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tggagtgcag	tgacgcagtc	tcagtcact	gcaacctctg	cctgtcaggc	tgaggtgagg	540
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<210> 107
 <211> 1465
 <212> DNA

<213> Homo sapiens

<400> 107

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tttcagagaa	gatcactgga	attggcagag	gccttgaagg	gcagagtcta	gcatacagaa	240
gatgtaaagc	cacattctgt	gaaggtaagt	agatgtgttt	acctcttttg	cactgtactg	300
gtgcattatg	gggtaaatrt	gtattacttt	tcctgtattg	cttagcacag	agttttgcct	360
atagcaggca	ccagactgtg	ggcttggtag	tacatgacta	ttggtgatta	cagatcaaaa	420
aggacttgaa	atgatcagtt	taaggctctg	atgggtattg	aagactcaaa	ggatgatggc	480
accctgggag	tgatccacag	aaggacagat	tatttgaaga	tgtaataaac	taaagacaac	540
atggatgtta	aatgatgaaa	aaaagttgga	tggaaaataa	accattggat	ctgcytctgg	600
agtccaagaa	gaatattatt	cttcctacct	cccccttact	ctggctcttc	ctattgtagc	660
cacatgggtc	agtaatgcca	ttgaaaaaca	aaatttttaga	ctaagtgggg	tcgcagaaat	720
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aaagcttgat	aggaaataaa	catgagatag	cacatggatc	tattacaagt	ttttgaaatt	1380
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<210> 108

<211> 1265

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (766)

<223> n equals a,t,g, or c

<400> 108

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cgcctgaagg	tcttggatgt	gctggatctg	tgtgtgggtg	ttcttcagtc	ccacaaaaac	240
cagctgcttc	ccttggctca	tcaggcctgg	ccctcgctcg	ttcaccgact	cacacgggac	300
gccccctgg	cagtgccttag	agccttcaag	ttttacgtac	cctgggaagc	aagtgtggtg	360
actttcttcg	cagccggttc	tgcaaagatg	tcctgcaaaa	gctggctggc	ttcctagtca	420
cccaggcccc	catcagtgcc	agggctggac	cagtttactc	gcacacgctg	gccttcaagt	480
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ttagaaatgg	attgaaggaa	agtagctgac	tattatttat	atttcatacc	ttgtgttttc	1020
aagtgcacatt	gtctgggtggc	tctaagggtt	taacccttta	gcctaccatc	tctatagccc	1080

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<210> 109
<211> 1006
<212> DNA
<213> Homo sapiens
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<210> 110
<211> 2214
<212> DNA
<213> Homo sapiens
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cagcaagggg	gattcagtg	caatgcatca	acaaaaaaga	caaccagagt	atgtggaagg		180
aaatcttctc	gttttcgtgt	tccccacgga	gctcatattt	tatgcagatg	atcagtcAAC		240
acataagcaa	gtgttgacac	tgtacaatcc	ctatgagttt	gccttaaagt	tcaaagtttt		300
gtgtactact	ccaaataagt	atgttgctgt	tgatgctgca	gggtgcagtaa	agcctcagtg		360
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aatcttgtga	attacagaac	aggttgtggg	ccagacacca	agaatcatag	gggttttttt		1260
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acataaatgt	aatctacttt	gaactttgta	aaaatgatgt	gtggaggcta	ttcttgtttc	2040
tccatctcaa	gtcctgtgtg	tgcacgtgtg	tgcaagtgca	catgtgtgtg	tgtaataaca	2100
cattgtaaag	aacagaaatt	actttaaaaa	ataaacagaa	atggagacct	gaaaaaaaaa	2160
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<210> 111

<211> 1453

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (946)

<223> n equals a,t,g, or c

<400> 111

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tctgaacctc	cactgttggc	atcctttctt	gattagcaga	aacctaggaa	cattgtttgta	240
ataatgacta	aattattgtc	actgtcacat	ttgttagtaa	ctttttttta	tataattgcc	300
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aataagatgc	taaattaata	gataaggtgg	gtttcctcag	tatatcttca	ttctaatacca	420
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atataatatt	ctcatacact	tcttaggatg	ggatagatcc	ctgtaacaga	atatttggta	1320
acaagagaaa	aacaagtttt	aagacatgta	tacctcatat	atacatggga	gatactcggg	1380
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aaagggcggc	cgc					1453

<210> 112

<211> 1552

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (1035)
 <223> n equals a,t,g, or c

<400> 112
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 agtgacgtca atgactgttt gctctgtgat accgtttcaa aaatccaaaa tgcagacttt 120
 tctctgtgcc atgcaggatg cagctgtgtg tgatattggt tacagtaata tttctttctc 180
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 cagcaatcga tgtggtagct ctttgccccct ctccggacagc aggaattagc tttccccaggc 300
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 caggcatggt ggcgggtgcc tgtgktccc gctactcagg aggctgaggc aggagaatgg 600
 tgtggacccg ggagggttggg ggttgacagta agccgagatt gcaccactgc mctccagcct 660
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 acagaaacct aaagcttgat gttttggggg gctgcctgtc atctataggt tcatttaggt 960
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 aaaaaaaaaa aaggaattcg atatcaagct tatcgatacc gtcgacctcg ta 1552

<210> 113
 <211> 1489
 <212> DNA
 <213> Homo sapiens

<400> 113
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 gagtgaagca acatggatgc agtcagccaa gtcccatgga aagtcgtgct tcccaagcac 180
 atcctggata tctgggttat tgcctcctc atcctggcca ccattgtcat catgacctcg 240
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 accacagata taagggtggt atgctgaatc ctgagaagct ttcaagaacc agagaacctg 660
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 ctgcactgga gtctcacatc tgttagcttt gacactcaag caatgttgga aaatgcaggg 1020
 tgactgagtt ccctgcccag ctttcgggat ctctggcccc catccccttg tgtgtgtccc 1080

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ctaaaacaat	gatgggttatt	ttagatgtga	tgattttatat	ttatgtagag	atattttctgg	1260
accactcaag	ctcttcgata	ccaaaatcag	gagcatcttg	ggattttatta	aattatgtaa	1320
gaagatagca	cagatatcgg	gatattattg	tgtgaaaatg	ctgctttttac	tttgatgtga	1380
tctcattgat	gtacacaacc	aagttccaat	aaagtgctag	aatgtgaaaa	aaaaaaaaaa	1440
aaaactgcga	ggggggggacc	cgtaacccta	atcgacctta	atgagtgtg		1489

<210> 114
 <211> 607
 <212> DNA
 <213> Homo sapiens

<400> 114						
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gtaactagcc	tctgggcctt	tttgagagtt	cacagtttgg	tgcaaaccct	ttggatgtat	180
tattttgggaa	aatgggatat	ctggcagcct	gtgtccctgc	tttacattat	cctttttgct	240
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ggctccttcc	ctagtgcacc	aattagccca	gcctcatctg	cacctgggac	tcaagttgcc	420
taaacatatt	tcatttccca	tagcagaaga	tgccatccat	ctagagttag	actgaaaata	480
caaacaattc	agaagttgtg	actttccatg	ctctgcacac	agaggctacc	aaatgctaag	540
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cctgccc						607

<210> 115
 <211> 1498
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (791)
 <223> n equals a,t,g, or c

<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<400> 115

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gcaacttaga	gaaatgtgct	agtaaaagtt	ctacaacagg	atatacaact	tctgtctcag	180
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gtagcgttcc	atcttctctt	tctcctaata	ctcccttacc	gagtacttcc	cgtgggacag	300
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aattttgggt	tttttttttg	ttgttggtta	tgagcagaaa	gagagacata	atgacagctg	540
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aatttgtgaa	tgcataatga	tgtgtggtta	ctttttataa	tgtgaaataa	tgaataatga	1440
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<210> 116
 <211> 1797
 <212> DNA
 <213> Homo sapiens

<400> 116						
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aatgttttta	aatctaagg	tttctttgtt	tatgttcagg	taaggaaactg	ttgtcatgat	180
ctggaaatgt	ttaaaacaat	gtttgttagc	attctgtgag	cagcaaaact	tatagtata	240
aaaatcgatt	gttggttaata	tgatgtttac	catgtgcaca	tagtaatgaa	aaggaaacata	300
aaagcccagc	aggctcgtac	caaagtcaca	gcagtaatgc	tatgtactgc	agagtctgat	360
gagctggcct	ttgtgcacac	ttttattttc	atgggattgc	atcttagctg	ttaaaaacttc	420
tagattgaaa	tttgacagcc	agggttacat	attggggact	tttaaagtgt	ctttccaaag	480
agatttcatt	aaccgtttag	attagaatat	ctttcccaat	tgttacagtg	acatatatgc	540
tgcaatat	aaacaactgga	gtattagcca	catgggttat	tttttcaatc	tgtgttttga	600
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tgcacataga	tttatatat	aatttgtaga	aaatatatttc	tttatatat	tccttaccat	720
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agatttcaca	tgaatgtaaa	tgtgttatat	ggagacatgt	cttgtaaaca	gttgaatgta	1500
tgtgaagttt	ctgttttgtga	aaatgtagtt	aatgtactca	ctgtggaggt	cataaggaag	1560

ctactttttt	tttaaagtgg	aacctaatta	aaatatattcc	agaatcaaag	agactttaat	1620
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gaattttttt	attaactagt	acttacatat	taaataaaat	ttattattgg	ctaaaaaaaa	1740
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<210> 117

<211> 952

<212> DNA

<213> Homo sapiens

<400> 117

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tagccatttt	ccaggaattt	aaaaggagcc	atttttttaa	tgtcaataat	aattttattgg	180
ttattatttt	ttaagcactt	attatgggtg	cttattatag	gcatggtaaa	agcacttcat	240
ccacattatt	taaatctcag	aatctatgag	tttggtgaga	tactgcagt	tttacagagg	300
aaaaaacagg	gcagagagaa	cggtaatttc	ctcaagttct	cactcttgct	acttaataga	360
tctagaattc	caacccagat	ctgatgggtg	agtcagtata	agcttcctgg	agaaaggagt	420
agagtttaagg	tgggggatgg	ggcttgaaga	cttgatagga	ttaggggttg	gagtggtcaac	480
tgggagatcc	acagtcaggc	ggaaggaacc	cacaaaggca	ggaatgcaca	cagcatgctc	540
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tggctcacgc	ctgtaatccc	agcacttttg	gaggccaagg	caggaggatc	acctgagggtc	720
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aattgcttga	accggggagg	cagaggtggc	agtgagccac	gatgggtgcca	ctgcactcta	900
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<210> 118

<211> 1185

<212> DNA

<213> Homo sapiens

<400> 118

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ggaacacagc	catggccatt	cacttccata	tcattccaatg	gctgcttttg	tgctacaatt	180
gccaccatgc	ccagtggggc	ctgtggcaca	caactgcaga	agtgagtggg	tgtggcagaa	240
atcacttagc	cttcaaagcc	taaagcactt	actatctgac	cctttccaga	aaaagtttgc	300
tgacctctgt	tttagagata	caaactaaca	tacttacaga	taagtgatct	gaatatgaag	360
caaattttca	acataatctg	ggttgatggg	gaaccgtggt	acatataaac	aaatccagag	420
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cacggagtgg	agtgaagat	accagtcatg	aagtcacaca	ccgtatgatg	ccattgacat	900
gaagtgttca	gagcaagtaa	atccttacag	atggaaggca	gagcggtgac	tgccaggggac	960
taggagtggg	gggccagggg	gtgactgcta	atgggtatgg	gatttcattt	cggggctggt	1020
ggaaacgttc	cggagccaga	gagtagtgat	agctgcacaa	ctctatgtat	atgctatgaa	1080
tcaccaccga	atgggtatatt	tttaaaggac	gaattttatg	tatgtaaatt	gtgtctcaat	1140
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<210> 119

<211> 1098
 <212> DNA
 <213> Homo sapiens

<400> 119
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 ctagagaatc acccaggaac caattctaac tatcaaagtc atttgctgaa aaaaaccctg 480
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 gatgattcta gagatgagga tgaagatgaa gatgagtcac cagaagaaga ctctgaggat 660
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 ttcagagtga aaaagtaaat tttataggaa aaaagggtat catgatgaaa ttcaaaatct 1020
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 aaaaaaaagg gcggccgc 1098

<210> 120
 <211> 805
 <212> DNA
 <213> Homo sapiens

<400> 120
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 gttttgtgtg agaggtggct gacagcaggt tgtttgctgt atgtaggagt tatccagccc 180
 tgcaagggca gtccctccag tgtctgcaaa gcccgagat gtctgcatcc aaaatacaga 240
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 ccttttcatt aatgacccaa ccattattca agagctatgt ctagttaggg acttcagact 480
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 ggattctgag aagaaatatg caaggtggaa aagagcctag aaagaaaggt gacagatgct 720
 gggatttggg cgtcagaaga gatattcagg aaatagcatg gcagccctca agtactagct 780
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<210> 121
 <211> 3435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (760)
 <223> n equals a,t,g, or c

<400> 121

<210> 122
 <211> 1020
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 122
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 acgaattttg cgagtggagt gattattttt ccttggtgtt gtaatttatt taagtaaatt 420
 ccttggtttg ttttcttttc agtacaccag gggtatata tttcaatatg acatgtacct 480
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 ttgtactgtc tgatgttggtg aaatagccaa tctccaccag tctgtatac tgttcaaagt 720
 aatttttttc tatgaacaat ccttttttaa ataaatcaaa atgcttaaaa tctgaatgga 780
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<210> 123
 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 123
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 ctagtgatgg ggagagaggg ctgttactca cgactccctc caacagaata ccagaaacag 180
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 ctttatgggtg cacacaaatc acctgtgcat gttaaaatgc agacgggtgac ttacagatct 480
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1378

<210> 124
<211> 1146
<212> DNA
<213> Homo sapiens

<400> 124
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tataca 1146

<210> 125
<211> 1675
<212> DNA
<213> Homo sapiens

<400> 125
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caaacaaaca aaaactatca aatgaaaaga aaatgtactc aacctaactt atagttagca 180
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<210> 126

<211> 1064

<212> DNA

<213> Homo sapiens

<400> 126

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gtggatggga	cttacctgca	cgccccaggg	gtcttttcagg	attcaggatg	actttttcttt	360
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<210> 127

<211> 1607

<212> DNA

<213> Homo sapiens

<400> 127

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gttggcatta	agaggaaata	taccaatagt	taatcaaaaag	aaacccggcg	ttgaaggggc	1080
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<211> 1037
<212> DNA
<213> Homo sapiens
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<210> 129
<211> 1146
<212> DNA
<213> Homo sapiens
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 aaaaaa 1146

<210> 130
 <211> 1172
 <212> DNA
 <213> Homo sapiens

<400> 130
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 taccctaata accccttttc cagttttact ttttgggtgg gatatagaag ttcagcaccg 720
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 <211> 663
 <212> DNA
 <213> Homo sapiens

<400> 131
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 ttctagagca aagggtgtgg aaggggaaat ggaggaatgc cctcctgtct gtgtcgttct 180
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 ttaatcacat tgataaaatc tatccttcac cacctctggt tctactatag ttgattttta 540
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 aaa 663

<210> 132
 <211> 776
 <212> DNA
 <213> Homo sapiens

<400> 132

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<210> 133 .
<211> 1543 .
<212> DNA
<213> Homo sapiens
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<220>  
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<222> (1143)  
<223> n equals a,t,g, or c
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cgctggcctt	attcattgga	ttttaaatac	attgaacata	actgttcaca	taagagacgt		240
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catcaatctt	attccactgc	atgtatttgt	ggtgttactg	atgcagagat	acagcaaaaag		600
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<210> 134
 <211> 2157
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (309)
 <223> n equals a,t,g, or c

<400> 134
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<210> 135
 <211> 420
 <212> DNA
 <213> Homo sapiens

<400> 135
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 tcttcgttgg actggtgata gtattggctt tattaatctc tcattctctc acttattcat 180
 tccacaaaaca tttgtagaag gccaccaagc tctagggaga ggaaaatggg tttataaatt 240

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<210> 136

<211> 946

<212> DNA

<213> Homo sapiens

<400> 136

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gaaactatgg	aaaccaattc	ttgatatttt	gaaccattca	cgaagatagt	ttgagtcag	180
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ccaagctccc	cacaattcgt	tgacaaaagc	actctacata	cattctcttt	agtcctgata	540
aaaccacctt	tcagagttag	atttagtgct	ctatttttaa	gatgaaggag	ctcgggctca	600
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aggtcggaat	gaaacattta	caaaaattga	catttcctta	tgcatagata	tttactagg	900
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<210> 137

<211> 1258

<212> DNA

<213> Homo sapiens

<400> 137

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ccagacacca	agaatcatag	gggttttttt	ttaaaaaacc	taatagaagt	agggtgacct	360
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gcaagtgcac	atgtgtgtgt	gtaataacac	attgtaaaaga	acagaaatta	ctttaaaaaa	1200
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<210> 138

<211> 1598
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1067)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1069)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1577)
 <223> n equals a,t,g, or c

<400> 138

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tctgcctttr	aaaatgcttc	caaaagtaga	ccctgtcccc	acacaggtca	agactacaga	180
gaaggctttg	tagaaatgtg	tcacctatgt	acacctgcta	cttacacatt	tcctcttttg	240
gaaaaatgag	atacttagaa	taacargaaa	attaagacat	actggcctgg	tgccagcaga	300
tggcttttct	atagacaaac	taggttagtg	tggaagatat	aggttaaaat	aaactatgct	360
gttttattta	tcttcccaac	ctgattggca	gctagacttt	tttagggctc	catttaatgg	420
ccctgttttt	ttcattatta	tatttaatga	tagggcagga	tttcgtatgc	aagctcttgt	480
ttctcaggct	gcctgcagaa	gaagtcgcta	taaattatct	gttgtctaca	tggtacaagg	540
cccattgact	catctgatgc	ttgttttggt	aatttcttta	atatttttat	cacggggcag	600
tgggagggct	tgggctttta	gccacagctg	ttttaagact	tctgatctcc	tgccctgcag	660
gaataggtgg	gaagtcattg	aattttttaca	ctatagtaat	ttgcattccc	acataagttt	720
gagtgttacg	aaaacattcc	tttaaagggg	tctgtgtctac	acaaaatatg	ccaggacctc	780
acagacaaaag	ccattgctag	aaatgtcatt	ccaatgatca	gatctggaaa	caggctgcca	840
taaccacattt	tccttcttgt	agactcagct	cacctgtata	tttaaactgt	tcttggcatc	900
ttgaaacacc	tatttctact	caggtactca	ttgtcctggt	actgattcac	ctttctgata	960
ctttttcaacc	agttttcccc	caagggggga	aattttactt	aacctctagt	atttgaacaa	1020
ctcaatattt	gaattgttgc	cccatttgct	tttacctgta	ctgtatnct	ggcatctca	1080
aatggcgctct	aaacccagct	actttgcatt	ccagaagttt	ccattccctc	caattccacc	1140
taattttttca	tctgtcctag	ttactggctc	tttcttcatg	tcttatttct	cttgcttttg	1200
gagcttaaaa	gatttttaca	gacctaat	tgggttcctt	ccttggagcc	atagttaccc	1260
tgccaagaag	agtagaaaat	gggttcaact	cctgtttcgc	tccaccaaca	cctctgtgag	1320
tctcatcatc	agctgagcga	tgatgcctta	caggttgcac	agcactggaa	ctttcctaga	1380
gtaacggctc	tgctgccagg	gtttctcttg	gctcattctt	ccactgactt	aattatgatc	1440
tatgcctaac	agagccccag	tacaactatt	ttgcagaatg	gctgttaccc	tagaattact	1500
atagcacata	ttgagatata	gttgtactcc	ctagtagata	ggaactgacc	ccaacaataa	1560
acttttgata	taaaganaaa	aaaaaaaaaa	actcgtag			1598

<210> 139
 <211> 334
 <212> PRT
 <213> Homo sapiens

<400> 139
 Met Phe Gln Cys Gly Leu Leu Gln Gln Leu Cys Thr Ile Leu Met Ala
 1 5 10 15

Thr Gly Val Pro Ala Asp Ile Leu Thr Glu Thr Ile Asn Thr Val Ser

20										25										30										
Glu	Val	Ile	Arg	Gly	Cys	Gln	Val	Asn	Gln	Asp	Tyr	Phe	Ala	Ser	Val															
		35					40					45																		
Asn	Ala	Pro	Ser	Asn	Pro	Pro	Arg	Pro	Ala	Ile	Val	Val	Leu	Leu	Met															
	50					55					60																			
Ser	Met	Val	Asn	Glu	Arg	Gln	Pro	Phe	Val	Leu	Arg	Cys	Ala	Val	Leu															
	65				70					75					80															
Tyr	Cys	Phe	Gln	Cys	Phe	Leu	Tyr	Lys	Asn	Gln	Lys	Gly	Gln	Gly	Glu															
				85					90					95																
Ile	Val	Ser	Thr	Leu	Leu	Pro	Ser	Thr	Ile	Asp	Ala	Thr	Gly	Asn	Ser															
			100					105					110																	
Val	Ser	Ala	Gly	Gln	Leu	Leu	Cys	Gly	Gly	Leu	Phe	Ser	Thr	Asp	Ser															
		115					120					125																		
Leu	Ser	Asn	Trp	Cys	Ala	Ala	Val	Ala	Leu	Ala	His	Ala	Leu	Gln	Glu															
	130					135					140																			
Asn	Ala	Thr	Gln	Lys	Glu	Gln	Leu	Leu	Arg	Val	Gln	Leu	Ala	Thr	Ser															
	145				150					155					160															
Ile	Gly	Asn	Pro	Pro	Val	Ser	Leu	Leu	Gln	Gln	Cys	Thr	Asn	Ile	Leu															
				165					170					175																
Ser	Gln	Gly	Ser	Lys	Ile	Gln	Thr	Arg	Val	Gly	Leu	Leu	Met	Leu	Leu															
			180					185					190																	
Cys	Thr	Trp	Leu	Ser	Asn	Cys	Pro	Ile	Ala	Val	Thr	His	Phe	Leu	His															
		195					200					205																		
Asn	Ser	Ala	Asn	Val	Pro	Phe	Leu	Thr	Gly	Gln	Ile	Ala	Glu	Asn	Leu															
		210				215					220																			
Gly	Glu	Glu	Glu	Gln	Leu	Val	Gln	Gly	Leu	Cys	Ala	Leu	Leu	Leu	Gly															
					230					235					240															

<210> 140
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 140
 Met Thr Val Ala Ser Ile Arg His Ile Leu Val Glu Ile Trp Leu Pro
 1 5 10 15
 Ile Ala Leu Ala Met Gly Thr Arg Gly Leu Thr Gln Ile Val Ala Val
 20 25 30
 Ile Gln Ser Arg Ser Gln Trp Ala Leu Ser Xaa
 35 40

<210> 141
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals stop translation

<400> 141
 Met Leu Phe Ile Phe Leu Leu Leu Ile Leu Ser Ile Thr Ala Ser Tyr
 1 5 10 15
 Ser Leu Thr Cys Ile Leu Ser Gly Ala Gly Glu Pro Ser Ser Val Ser
 20 25 30
 Ala Ser Val Val Ser Gly Pro Gly Phe Cys Leu Ala Ala Leu Leu Leu
 35 40 45
 Met Arg Thr Gly Gly Phe Ala Ala Thr Leu Leu Pro Val Ala Pro Thr
 50 55 60
 Glu Arg Phe Phe Ser Cys Cys Thr Val Leu Ser Ala Gln Arg Asn Val
 65 70 75 80
 Ser Arg Thr Arg Ser Pro Xaa
 85

<210> 142
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

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<222> (122)

<223> Xaa equals stop translation

<400> 142

Met Leu Ser Thr Arg Trp Met Gly Leu His Leu Val Gln Ile Leu Trp
1 5 10 15

Arg Cys Trp Thr Ser Ser Ala Thr Ile Thr Ser Arg Lys Leu Ser Thr
20 25 30

Ala Leu Arg Ser Pro Val Leu Ser Gly Thr Gln Thr Ser Arg Ser Ser
35 40 45

Gly Asp Ser Gly Trp Ser Met Lys Thr Ser Val Lys Ala Thr Pro His
50 55 60

Gln Met Ser Leu Arg Ser Gly Lys Glu Thr Pro Ser Ala Asp Ile Pro
65 70 75 80

Arg Ile His His Gln Leu Val Arg Leu Arg His Gln Ala His Gly Gly
85 90 95

Trp Ser Pro His Gly Val Pro Glu Gln Gly Thr Met Pro Leu Val Leu
100 105 110

Pro Pro Val Ser Cys Asp Ile Gln Pro Xaa
115 120

<210> 143

<211> 276

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (276)

<223> Xaa equals stop translation

<400> 143

Met Ala Asn Thr Gly Val Phe Gly Phe Ser Phe Leu Leu Leu Thr Val
1 5 10 15

Ala Leu Leu Ala Ser Tyr Ser Val His Leu Leu Leu Ser Met Cys Ile
20 25 30

Gln Thr Ala Val Thr Ser Tyr Glu Asp Leu Gly Leu Phe Ala Phe Gly
35 40 45

Leu Pro Gly Lys Leu Val Val Ala Gly Thr Ile Ile Ile Gln Asn Ile
50 55 60

Gly Ala Met Ser Ser Tyr Leu Leu Ile Ile Lys Thr Glu Leu Pro Ala
65 70 75 80

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Ala Ile Ala Glu Phe Leu Thr Gly Asp Tyr Ser Arg Tyr Trp Tyr Leu
85 90 95

Asp Gly Gln Thr Leu Leu Ile Ile Ile Cys Val Gly Ile Val Phe Pro
100 105 110

Leu Ala Leu Leu Pro Lys Ile Gly Phe Leu Gly Tyr Thr Ser Ser Leu
115 120 125

Ser Phe Xaa Phe Met Met Phe Phe Ala Leu Val Val Ile Ile Lys Lys
130 135 140

Trp Ser Ile Pro Cys Pro Leu Thr Leu Asn Tyr Val Glu Lys Gly Phe
145 150 155 160

Gln Ile Ser Asn Val Thr Asp Asp Cys Lys Pro Lys Leu Phe His Phe
165 170 175

Ser Lys Glu Ser Ala Tyr Ala Leu Pro Thr Met Ala Phe Ser Phe Leu
180 185 190

Cys His Thr Ser Ile Leu Pro Ile Tyr Cys Glu Leu Gln Ser Pro Ser
195 200 205

Lys Lys Arg Met Gln Asn Val Thr Asn Thr Ala Ile Ala Leu Ser Phe
210 215 220

Leu Ile Tyr Phe Ile Ser Ala Leu Phe Gly Tyr Leu Thr Phe Tyr Gly
225 230 235 240

Ser His Ser Val Ala Gln Val Gly Val Gln Trp Cys Asp Leu Ser Ser
245 250 255

Leu Gln Pro Leu Pro Pro Gly Leu Lys Gln Ser Ser His Leu Ser Leu
260 265 270

Gln Ser Ser Xaa
275

<210> 144

<211> 195

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (138)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (195)

<223> Xaa equals stop translation

<400> 144

Met Lys Leu Ala Ser Gly Phe Leu Val Leu Trp Leu Ser Leu Gly Gly
1 5 10 15

Gly Leu Ala Gln Ser Asp Thr Ser Pro Asp Thr Glu Glu Ser Tyr Ser
 20 25 30
 Asp Trp Gly Leu Arg His Leu Arg Gly Ser Phe Glu Ser Val Asn Ser
 35 40 45
 Tyr Phe Asp Ser Phe Leu Glu Leu Leu Gly Gly Lys Asn Gly Val Cys
 50 55 60
 Gln Tyr Arg Cys Arg Tyr Gly Lys Ala Pro Met Pro Arg Pro Gly Tyr
 65 70 75 80
 Lys Pro Gln Glu Pro Asn Gly Cys Gly Ser Tyr Phe Leu Gly Leu Lys
 85 90 95
 Val Pro Glu Ser Met Asp Leu Gly Ile Pro Ala Met Thr Lys Cys Cys
 100 105 110
 Asn Gln Leu Asp Val Cys Tyr Asp Thr Cys Gly Ala Asn Lys Tyr Arg
 115 120 125
 Cys Asp Ala Lys Phe Arg Trp Cys Leu Xaa Ser Ile Cys Ser Asp Leu
 130 135 140
 Lys Arg Ser Leu Gly Phe Val Ser Lys Val Glu Ala Cys Asp Ser Leu
 145 150 155 160
 Val Asp Thr Val Phe Asn Thr Val Trp Thr Leu Gly Cys Arg Pro Phe
 165 170 175
 Met Asn Ser Gln Arg Ala Ala Cys Ile Cys Ala Glu Glu Glu Lys Glu
 180 185 190
 Glu Leu Xaa
 195

<210> 145

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (183)

<223> Xaa equals stop translation

<400> 145

Met Leu Leu Leu Cys His Ala Leu Ala Ile Ala Val Val Gln Ile Val
 1 5 10 15

Ile Phe Ser Glu Ser Trp Ala Phe Ala Lys Asn Ile Asn Phe Tyr Asn
 20 25 30

Val Arg Pro Pro Leu Asp Pro Thr Pro Phe Pro Asn Ser Phe Lys Cys
 35 40 45

Phe Thr Cys Glu Asn Ala Gly Asp Asn Tyr Asn Cys Asn Arg Trp Ala

Gly Ala Val Ala Thr Cys Gln Pro Leu Xaa
115 120

<210> 147
<211> 267
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (267)
<223> Xaa equals stop translation

<400> 147
Met Trp Trp Phe Gln Gln Gly Leu Ser Phe Leu Pro Ser Ala Leu Val
1 5 10 15
Ile Trp Thr Ser Ala Ala Phe Ile Phe Ser Tyr Ile Thr Ala Val Thr
20 25 30
Leu His His Ile Asp Pro Ala Leu Pro Tyr Ile Ser Asp Thr Gly Thr
35 40 45
Val Ala Pro Glu Lys Cys Leu Phe Gly Ala Met Leu Asn Ile Ala Ala
50 55 60
Val Leu Cys Ile Ala Thr Ile Tyr Val Arg Tyr Lys Gln Val His Ala
65 70 75 80
Leu Ser Pro Glu Glu Asn Val Ile Ile Lys Leu Asn Lys Ala Gly Leu
85 90 95
Val Leu Gly Ile Leu Ser Cys Leu Gly Leu Ser Ile Val Ala Asn Phe
100 105 110
Gln Lys Thr Thr Leu Phe Ala Ala His Val Ser Gly Ala Val Leu Thr
115 120 125
Phe Gly Met Gly Ser Leu Tyr Met Phe Val Gln Thr Ile Leu Ser Tyr
130 135 140
Gln Met Gln Pro Lys Ile His Gly Lys Gln Val Phe Trp Ile Arg Leu
145 150 155 160
Leu Leu Val Ile Trp Cys Gly Val Ser Ala Leu Ser Met Leu Thr Cys
165 170 175
Ser Ser Val Leu His Ser Gly Asn Phe Gly Thr Asp Leu Glu Gln Lys
180 185 190
Leu His Trp Asn Pro Glu Asp Lys Gly Tyr Val Leu His Met Ile Thr
195 200 205
Thr Ala Ala Glu Trp Ser Met Ser Phe Ser Phe Phe Gly Phe Phe Leu
210 215 220
Thr Tyr Ile Arg Asp Phe Gln Lys Ile Ser Leu Arg Val Glu Ala Asn
225 230 235 240

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T00259 0001883

Leu His Gly Leu Thr Leu Tyr Asp Thr Ala Pro Cys Pro Ile Asn Asn
 245 250 255

Glu Arg Thr Arg Leu Leu Ser Arg Asp Ile Xaa
 260 265

<210> 148

<211> 92

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals stop translation

<400> 148

Met Leu Cys His Pro His Val His His His Leu Val Cys Leu Leu Ala
 1 5 10 15

Thr Leu Thr Phe Ser Leu Asn Ala Ser Cys Ala Glu Gln Thr Phe His
 20 25 30

Ser Gln Gln Ser Asn Gly Glu Phe Met Ala Thr Leu Pro Ser Ile Ser
 35 40 45

Lys Gln Phe Gly Val Ile Val Trp Lys Pro Gln Arg Lys Asp Val Ile
 50 55 60

Arg Leu Pro Val Ala Leu Ser Phe Ser Met Gly Leu Gly Leu Leu Ser
 65 70 75 80

Pro Ala Leu Gly Arg Phe Leu Ala Ser Glu Leu Xaa
 85 90

<210> 149

<211> 109

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (109)

<223> Xaa equals stop translation

<400> 149

Met Ala Ile Leu Leu Ala Cys Phe Thr Ala Val Leu Ala Phe Ile Cys
 1 5 10 15

Leu Gln Phe Trp Cys Val Arg Cys His Glu Pro Arg Trp Ser Tyr Arg
 20 25 30

Ala Gly His Met Glu Glu Ala Asn Gly Leu Val Arg Trp Pro Glu Glu
 35 40 45

Ala Pro Asp Leu Gly Gln Arg Glu Glu Asp Leu Gln Gly Leu Pro Leu

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50 55 60

Val Glu Met Pro Arg Lys Asn Ser Arg Asp Gly Ala Glu Leu Asp Pro
 65 70 75 80

Glu Ala Asn Gln Asp Ala Pro Asp Ala Gly Ala Leu Gln Arg Gly Gly
 85 90 95

Gly Asp Pro Pro Ala Ile Leu Pro His Cys Gly Glu Xaa
 100 105

<210> 150
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (88)
 <223> Xaa equals stop translation

<400> 150
 Met Leu Leu Arg Val Phe His Phe Phe Leu His Ile Leu His Lys Lys
 1 5 10 15

Gln Thr Gly Val Ser Leu Leu Tyr Leu Leu Leu Thr Leu Phe Leu Leu
 20 25 30

Gln Gln Gln Val Ile Pro Gln Pro Ser Leu Pro Leu Leu His Leu Val
 35 40 45

Ser Phe Gln Ile Cys His Tyr Pro Phe Pro Gln Trp Met Leu Gln Tyr
 50 55 60

Arg Gln Ala Lys Met Val Leu Gly Thr Arg Cys Gln Met Ser Leu Met
 65 70 75 80

His Phe Gln Asn Ser Gln Asn Xaa
 85

<210> 151
 <211> 74
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (74)
 <223> Xaa equals stop translation

<400> 151
 Met Ser Arg Val Val Ser Leu Phe Phe Phe Ile Leu Phe Ser Phe Phe
 1 5 10 15

Phe Phe Ala Phe Ser Leu Ser Ser Ser Leu Ser Phe Val His Tyr Glu
 20 25 30

Glu Asn Asn Gly Ala Lys Leu Gln Ser Xaa
65 70

<210> 152

<211> 72

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (72)

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<223> Xaa equals stop-translation
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<400> 152

Met Ser Ala Ser Leu Lys Asn His Leu Thr His Cys Phe Leu Leu Leu
1 5 10 15

Leu Leu Lys Glu Leu Val Ser Pro Thr Met Ile Ser Phe Val Pro Thr
20 25 30

Leu Arg His Ser Tyr Arg Phe Phe Asn Leu Phe Ser Cys Asp Ala Glu
35 40 45

Ser Thr Lys Glu Ser Pro Gly Arg Thr Val Gln Phe Ser Lys Thr Pro
50 55 60

Arg Gly Val Thr Met Phe Ile Xaa
65 70

<210> 153

<211> 152

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

 $\langle \underline{222} \rangle \quad (\underline{152})$

<223> Xaa equals stop translation

<400> 153

Met Lys Tyr Gly Leu Thr Gly Pro Trp Ile Lys Arg Leu Leu Pro Val
1 5 10 15

Ile Phe Leu Val Gln Ala Ser Gly Met Asn Val Tyr Met Ser Arg Ser
20 25 30

Leu Glu Ser Ile Lys Gly Ile Ala Val Met Asp Lys Glu Gly Asn Val
35 40 45

Leu Gly His Ser Arg Ile Ala Gly Thr Lys Ala Val Arg Glu Thr Leu
50 55 60

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (97)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (123)
 <223> Xaa equals stop translation

<400> 155
 Met His Arg Ser Glu Pro Phe Leu Lys Met Ser Leu Leu Ile Leu Leu
 1 5 10 15
 Phe Leu Gly Leu Ala Glu Ala Cys Thr Pro Arg Glu Val Asn Leu Leu
 20 25 30
 Lys Gly Ile Ile Gly Leu Met Ser Arg Leu Ser Pro Asp Glu Ile Leu
 35 40 45
 Gly Leu Leu Ser Leu Gln Val Leu His Glu Glu Thr Ser Gly Cys Lys
 50 55 60
 Glu Glu Val Lys Pro Phe Ser Gly Thr Thr Pro Ser Arg Lys Pro Leu
 65 70 75 80
 Pro Lys Arg Glu Glu His Val Glu Xaa Pro Xaa Asn Ala Xaa Thr Trp
 85 90 95
 Xaa Xaa Thr Tyr Leu Phe Val Ser Tyr Asn Lys Gly Asp Trp Phe Thr
 100 105 110
 Phe Ser Ser Gln Val Leu Leu Pro Leu Leu Xaa
 115 120

<210> 156
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals stop translation

<400> 156
 Met Ser Pro Cys Ala His Ile Cys Leu Tyr Val Leu Val Phe Leu Cys
 1 5 10 15

Asn Val Thr Arg Cys Lys Cys Val Arg Ala Phe Thr Thr Trp Asp Thr
 20 25 30

Glu Lys Val Lys Tyr Phe Met Ala His Trp Ser Lys Leu Lys Arg Val
 35 40 45

Arg Gly Thr Arg Val Glu Xaa
 50 55

<210> 157

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals stop translation

<400> 157

Met Phe Leu Ala Ser Trp Leu Leu Phe Cys Ile Val Ala Pro Lys Asp
 1 5 10 15

Asp Ala His Leu Ser Phe Ile Gln Cys Lys Asp Ile Trp Lys Asp Asn
 20 25 30

Arg Lys Tyr Ser Cys Phe His Phe Lys Ser Asp Gln Leu Leu Glu Leu
 35 40 45

Ala Ser Lys Ala Cys Thr Ser Phe Gln Ala Gln Ser Arg Ser Phe Thr
 50 55 60

Ala Gly Ala Val Pro Ser Glu His Pro Glu Leu Pro Cys Gly Ser Gln
 65 70 75 80

Gln Leu Cys Cys Gly Cys Thr Ala Arg Leu Gly Gly Xaa Trp Ile Gly
 85 90 95

Ala Ser Arg Cys Gly Ser Gly Ser Ala Phe Leu Ala Ser Pro Xaa
 100 105 110

<210> 158

<211> 48

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

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<400> 158

Met Ser Leu Gln Ala Ile Asp Leu Leu Trp Ser Leu Cys Thr Gln Thr
 1 5 10 15

Ser Leu Leu Thr Leu Ile Cys Ile Cys Ser His Ser Gln Ala Leu Ser
 20 25 30

Ser Ser Pro Gln Leu His Leu Arg Ser Ser Ser Ile Arg Phe Ser Xaa
 35 40 45

<210> 159

<211> 82

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals stop translation

<400> 159

Met Phe His Phe Gly Leu Trp Asp Leu His Phe Phe Leu Ile Val Met
 1 5 10 15

Ala His Arg Asp Asp Cys Ser Phe Lys Gly Gly Cys Gly Leu Leu Glu
 20 25 30

Arg Phe Gln Cys Pro His Thr Ser Phe Ser Ser Ala Ser Gln Lys Arg
 35 40 45

Leu Ala Asp Gly Met Glu Cys Leu Cys Glu Ile Glu Arg Thr Gln Thr
 50 55 60

Arg Ile Arg Lys Ile Cys Leu Pro Thr Leu His Gly His Leu Leu Ala
 65 70 75 80

Val Xaa

<210> 160

<211> 156

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (108)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (113)

<223> Xaa equals any of the naturally occurring L-amino acids

Thr Arg Thr Ala Asn Arg Pro Ile Ala Ala Gly Asp Ile Ser Thr Phe
 65 70 75 80
 Gln Ser Phe Val Phe Leu Gly Gly Gln Leu Thr Leu Ala Leu Gly Val
 85 90 95
 Leu Leu Cys Leu Asn Tyr Tyr Ser Ile Ala Leu Gly Ala Gly Ser Leu
 100 105 110
 Leu Leu Val Ile Thr Tyr Pro Leu Met Lys Arg Ile Ser Tyr Trp Pro
 115 120 125
 Gln Leu Ala Leu Gly Leu Thr Phe Asn Trp Gly Ala Leu Leu Gly Trp
 130 135 140
 Ser Ala Ile Lys Gly Ser Cys Asp Pro Ser Val Cys Leu Pro Leu Tyr
 145 150 155 160
 Phe Ser Gly Val Met Trp Thr Leu Ile Tyr Asp Thr Ile Tyr Ala His
 165 170 175
 Gln Asp Lys Arg Asp Asp Val Leu Ile Gly Leu Lys Ser Thr Ala Leu
 180 185 190
 Arg Phe Gly Glu Asn Thr Lys Pro Trp Leu Ser Gly Phe Ser Val Ala
 195 200 205
 Met Leu Gly Ala Leu Ser Leu Val Gly Val Asn Ser Gly Gln Thr Ala
 210 215 220
 Pro Tyr Tyr Ala Ala Leu Gly Ala Val Gly Ala His Leu Thr His Gln
 225 230 235 240
 Ile Tyr Thr Leu Asp Ile His Arg Pro Glu Asp Cys Trp Asn Lys Phe
 245 250 255
 Ile Ser Asn Arg Thr Leu Gly Leu Ile Val Phe Leu Gly Ile Val Leu
 260 265 270
 Gly Asn Leu Trp Lys Glu Lys Lys Thr Asp Lys Thr Lys Lys Gly Ile
 275 280 285
 Glu Asn Lys Ile Glu Asn Xaa
 290 295

<210> 162

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals stop translation

<400> 162

Met Gly Pro Phe Leu Leu Val Phe Leu Phe Pro Ile Leu Arg Val Cys

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<210> 163
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (32)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (115)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (122)
<223> Xaa equals stop translation

<400> 163
Met Cys Ser His Ser Thr Leu Ile His Leu Tyr Leu Val Leu Pro Phe
  1             5             10             15
Phe Phe Leu Phe Leu Pro Ser Ser Phe Pro Phe Pro Ser Xaa Ser Xaa
      20             25             30
Ser Ser Ile Leu Pro Ser Leu Arg Leu Pro Pro Phe Phe Pro Pro Ser
      35             40             45
Leu Phe Leu His Ser Ser Leu Pro Pro Ser Leu Ser His Pro Leu Gly
      50             55             60

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Leu Ser Ile Thr Ser Ser Arg Gln Ser Phe Leu Asp Tyr His His Leu
65 70 75 80

Cys Thr Lys His Leu Ser Xaa Thr Leu Cys Gly Leu Ile Tyr His Cys
85 90 95

Leu Asn Ile Phe Xaa Thr Arg Ala Val Met Trp His Met Gln Val Ser
100 105 110

Phe Leu Xaa Ile His Trp Leu Leu Pro Xaa
115 120

<210> 164

<211> 73

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (73)

<223> Xaa equals stop translation

<400> 164

Met Ser Ile Tyr His Val Cys Leu Ile Leu Leu Leu Tyr Ile Thr Ser
1 5 10 15

His Ser His Gln Asn Met Ser Ser Cys Leu Gln Val Pro Leu Ser Leu
20 25 30

Leu Ser Cys Pro Leu Lys Gly Glu His Leu Ser Gln Phe Ala Gly Asp
35 40 45

His Ser Leu Pro Glu Val Arg Asp Arg Asn His His Cys Ile Leu Phe
50 55 60

Lys Glu Ser His Gln Lys Arg Lys Xaa
65 70

<210> 165

<211> 123

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals stop translation

<400> 165

Met Leu Ala Asn Phe Thr Leu Phe Ile Leu Thr Leu Ile Ser Phe Leu
1 5 10 15

Leu Leu Val Cys Ser Pro Cys Lys His Leu Lys Met Met Gln Leu His
20 25 30

Gly Lys Gly Ser Gln Asp Leu Ser Thr Lys Val His Ile Lys Pro Leu

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35 40 45
 Gln Thr Val Ile Ser Phe Leu Met Leu Phe Ala Ile Tyr Phe Leu Cys
 50 55 60
 Ile Ile Thr Ser Thr Trp Asn Pro Arg Thr Gln Gln Ser Asn Leu Val
 65 70 75 80
 Phe Leu Leu Tyr Gln Thr Leu Ala Ile Met Tyr Pro Ser Phe His Ser
 85 90 95
 Phe Ile Leu Ile Met Arg Ser Arg Lys Leu Lys Gln Thr Ser Leu Ser
 100 105 110
 Val Leu Cys Gln Val Thr Cys Trp Val Lys Xaa
 115 120

<210> 166

<211> 143

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (143)

<223> Xaa equals stop translation

<400> 166

Met Pro Gly Pro Cys Leu Ser Gln Gln His Pro Phe Leu Ser Leu Ser
 1 5 10 15

Leu Phe Pro Phe Cys Leu Trp Ile Cys Leu Ala Arg Val Pro Gly Val
 20 25 30

Arg Asn Ile Cys Lys Thr Gln Pro Ala Pro Ser Gln Pro Ser Leu Leu
 35 40 45

Gly Leu Gly Leu Ser His Pro Ala Ala Gly Thr Thr Asp Ala Gly Thr
 50 55 60

Gln Ser Leu Pro Arg Ser Gln His Lys Cys Thr Ser Ala Leu Trp Gly
 65 70 75 80

Leu Cys Pro Ala Gln Arg Pro Leu Leu Leu Pro Ala His Ile His Ser
 85 90 95

Ser Gly His Gly Ala Pro Gln Glu Leu Gln Ser His Leu Ser His Arg
 100 105 110

Leu Pro Ala Ser Ala Ser Leu Ser Met Met Ser Pro Phe Ser Glu Ala
 115 120 125

Trp Thr His Pro Ser Leu Ser Leu Gly Pro Ala Pro Ser His Xaa
 130 135 140

<210> 167

<211> 117

Phe Trp Val Thr Phe Ser Cys Ile Ala Ile Leu Ile Pro Val Val Phe
50 55 60

Met Gly Cys Leu Arg Ile Leu Asn Ile Leu Thr Cys Gly Ser His Trp
65 70 75 80

Ala Pro Ile Arg Trp Phe Xaa
85

<210> 171
<211> 63
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (54)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (63)
<223> Xaa equals stop translation

<400> 171
Met Val Thr Gly Phe Phe Phe Ile Leu Met Thr Val Leu Trp Phe Xaa
1 5 10 15

Arg Glu Pro Gly Phe Val Pro Gly Trp Asp Ser Phe Phe Glu Lys Lys
20 25 30

Gly Tyr Arg Thr Asp Ala Thr Val Ser Val Phe Leu Gly Phe Leu Leu
35 40 45

Phe Leu Ile Pro Ala Xaa Glu Ala Leu Leu Trp Glu Lys Glu Xaa
50 55 60

<210> 172
<211> 48
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (48)
<223> Xaa equals stop translation

<400> 172
Met Ser Gln Leu Cys Phe Ser Leu Leu Leu Ser Ser Thr Cys His Gly
1 5 10 15

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Gly Val Ala Ser Leu Leu Thr Ser Asp Leu Ser Ser Gln Ser His Arg
 20 25 30

Phe Ser Ile Cys Thr Asn Val Asn His Ser Lys Tyr Ser Ser Leu Xaa
 35 40 45

<210> 173

<211> 137

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals stop translation

<400> 173

Met Leu Phe Ser Leu Arg Glu Leu Val Gln Trp Leu Gly Phe Ala Thr
 1 5 10 15

Phe Glu Ile Phe Val His Leu Leu Ala Leu Leu Val Phe Ser Val Leu
 20 25 30

Leu Ala Leu Arg Val Asp Gly Leu Val Pro Gly Leu Ser Trp Trp Asn
 35 40 45

Val Phe Val Pro Phe Phe Ala Ala Asp Gly Leu Ser Thr Tyr Phe Thr
 50 55 60

Thr Ile Val Ser Val Arg Leu Phe Gln Asp Gly Glu Lys Arg Leu Ala
 65 70 75 80

Val Leu Arg Xaa Phe Trp Val Leu Thr Val Leu Ser Leu Lys Phe Val
 85 90 95

Phe Glu Met Leu Leu Cys Gln Lys Leu Ala Glu Gln Thr Arg Glu Leu
 100 105 110

Trp Phe Gly Leu Ile Thr Ser Pro Leu Phe Ile Leu Leu Gln Leu Leu
 115 120 125

Met Ile Arg Ala Cys Arg Val Asn Xaa
 130 135

<210> 174

<211> 89

<212> PRT

<213> Homo sapiens

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<220>
 <221> SITE
 <222> (40)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals stop translation

<400> 174
 Met Glu Leu Ser Phe Val Arg Arg Leu Leu Leu Phe Thr Phe Phe Phe
 1 5 10 15
 Ser Thr Phe Ser Pro Pro Pro Pro Thr Pro Cys Leu Glu Gly Leu Met
 20 25 30
 Ser Cys Leu Pro Ser Pro Leu Xaa Lys Asn Thr Ala Gly Ser Gln Thr
 35 40 45
 Lys Ser Leu Arg Glu Ile Gly Thr Gly Ile Ser Asp Thr His Val Ser
 50 55 60
 Pro Ser Pro Ala Gln Ala Pro Leu Cys Ser Arg Ser Pro Thr Trp Asp
 65 70 75 80
 Ser Ser Asp Pro Asn Ser Met Asp Xaa
 85

<210> 175
 <211> 58
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals stop translation

<400> 175
 Met Thr Met Val Met Glu Gln Val Tyr Leu Met Ser Phe Leu Leu Leu
 1 5 10 15
 Leu Leu Arg Thr Met Met Lys Ala His Trp Thr Tyr Thr Leu Gly Trp
 20 25 30
 Thr Val Leu Phe Leu Thr Ala Leu Pro Asn Pro Val Tyr His Gln Glu
 35 40 45
 Ile Val Trp Thr Tyr Met Lys Arg Ser Xaa
 50 55

<210> 176
 <211> 64
 <212> PRT
 <213> Homo sapiens

145 150 155 160
 Ile Glu Thr Thr Arg Gly Leu Leu Pro Gly Ala Gly Gly Thr Gln Arg
 165 170 175
 Leu Pro Arg Cys Leu Gly Val Ala Leu Ala Lys Glu Leu Ile Phe Thr
 180 185 190
 Gly Arg Arg Leu Ser Gly Thr Glu Ala His Val Leu Gly Leu Val Asn
 195 200 205
 His Ala Val Ala Gln Asn Glu Glu Gly Asp Ala Ala Tyr Gln Arg Ala
 210 215 220
 Arg Ala Leu Ala Gln Glu Ile Leu Pro Gln Ala Pro Ile Ala Val Arg
 225 230 235 240
 Leu Gly Lys Val Ala Ile Asp Arg Gly Thr Glu Val Asp Ile Ala Ser
 245 250 255
 Gly Met Ala Ile Glu Gly Met Cys Tyr Ala Gln Asn Ile Pro Thr Arg
 260 265 270
 Asp Arg Leu Glu Gly Met Ala Ala Phe Arg Glu Lys Arg Thr Pro Lys
 275 280 285
 Phe Val Gly Lys Xaa
 290

<210> 180

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 180

Met Leu Ser Ser Leu Tyr Leu Leu Leu Met Pro Pro Tyr Lys Phe Thr
 1 5 10 15

Gly Glu Leu His Pro Pro Val Ala Ala Thr Cys Leu Leu Thr Val Leu
 20 25 30

Leu Gly Cys Leu Ile Gly Val Ser Ser Asp Gly Trp Ile Xaa
 35 40 45

<210> 181

<211> 47

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals stop translation

<400> 181

Met Cys Ile Pro Glu Ala Leu Gly Lys Asn Ser Leu Phe Leu Ser Ser
1 5 10 15

Thr Phe Leu Trp Leu Leu Ala Phe Phe Gly Leu Trp Ser His His Ser
20 25 30

Tyr Leu Glu Gly Gln His Leu Gln Ile Cys Phe Phe Phe Thr Xaa
35 40 45

<210> 182

<211> 55

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals stop translation

<400> 182

Met Thr Thr Ser Leu Phe Gly Leu Val Cys Val Val Cys Gln Gly Ala
1 5 10 15

Gly Val Ser Ala Phe Thr Gln Val Asn Leu Phe Ser Phe Ser Leu Val
20 25 30

Ile Val Lys Lys Gln Asn Lys Thr Ser Cys Glu Pro Phe Gly Thr Ser
35 40 45

Gly Lys Val Pro Leu Leu Xaa
50 55

<210> 183

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 183

Met Leu Ile Tyr Trp Leu Gln Ser Ser Phe Ile Leu Ser Ala Phe Val
1 5 10 15

Leu Ile Asn Ser Pro Val Thr Thr Gly Ile Gln Lys Ser Cys Cys Lys
20 25 30

Phe Phe Pro Val Ser Ile Asn Leu Cys Phe Ala Ser Leu His Arg Met
35 40 45

Lys Val Val Thr Leu Val Ala Leu Gln Trp Leu Asn Ile Ala Leu Arg
50 55 60

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Ser Ser Xaa
65

<210> 184
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (51)
<223> Xaa equals stop translation

<400> 184
Met Val Cys Cys Gly Phe Phe Leu Leu Trp Ser Arg Val Arg Ser Tyr
1 5 10 15

Met Lys Leu Ser Gly His Arg Trp Ser Ser Ser Cys Pro His His Cys
20 25 30

Tyr Ser Lys Cys Gly Leu His Thr Ser Asn Gly Lys Ser Ser Val His
35 40 45

Thr Val Xaa
50

<210> 185
<211> 91
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (29)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (30)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (65)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals stop translation

<400> 185
Met Leu Arg Cys Ser Phe Ser Ser Phe Leu Leu Cys His Thr Ile Leu
1 5 10 15

Leu Phe Leu Gly Ser Ser Ala His Leu Leu Val Glu Xaa Xaa Val Trp

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<221> SITE
 <222> (60)
 <223> Xaa equals stop translation

<400> 189

Met Leu His Leu Thr Leu Tyr Leu His Phe Ile Leu Phe Val Phe Pro
 1 5 10 15

Ile Thr Ser Asn Phe Ser Ser Leu His Pro Phe Leu Phe Ile Ser Ser
 20 25 30

Gln Phe Thr Ser Cys Cys Gln Ile Asn Phe Pro Asn Ala Gln Ala Leu
 35 40 45

Ser Tyr His Glu Phe Leu Ile Ala Thr Tyr Asp Xaa
 50 55 60

<210> 190

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (64)

<223> Xaa equals stop translation

<400> 190

Met Pro Cys Ile Arg Gly Val Phe His Cys Phe Ile Leu Ile Ile Leu
 1 5 10 15

Ile Leu Leu Ala Ser His Ala Phe Ser Gly Ser Gly Asn Gln Arg Leu
 20 25 30

Lys Glu Ala Leu Thr Leu Ile Val Ser Val Asn Val Asp Ile Ala Arg
 35 40 45

His Arg Pro Phe Leu Glu Arg Ile His Val Lys Lys Gly Asn Thr Xaa
 50 55 60

<210> 191

<211> 71

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals stop translation

<400> 191

Met Phe Ser Arg Leu His Phe Leu Thr His Ser Leu Ser Leu Leu His
 1 5 10 15

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Leu Pro Ser Gln Val Phe Gly Glu Val His Ser Ser Cys Val Ser Ser
20 25 30

Leu Pro Cys Pro Asp Thr Pro Ala Leu Pro Tyr Cys Pro Ser Phe Leu
35 40 45

Arg Tyr Asp Asp His Ile Glu Ala Gln Pro Leu Lys His Ile Asn Thr
50 55 60

Asn Asp His Ile Ser Ile Xaa
65 70

<210> 192

<211> 174

<212> PRT

<213> Homo sapiens

<400> 192

Met Tyr Val Arg Phe Phe Phe Arg Leu His Ser Ile Ser Ser His Pro
1 5 10 15

Ser Gly Ile Val Ser Leu Cys Leu Leu Phe Glu Thr Leu Leu Gln Thr
20 25 30

Tyr Leu Pro Gln Leu Phe Tyr His Leu Arg Glu Ile Gly Ala Gln Pro
35 40 45

Leu Arg Ile Ser Phe Lys Trp Met Val Arg Ala Phe Ser Gly Tyr Leu
50 55 60

Ala Thr Asp Gln Leu Leu Leu Leu Trp Asp Arg Ile Leu Gly Tyr Asn
65 70 75 80

Ser Leu Glu Ile Leu Ala Val Leu Ala Ala Val Phe Ala Phe Arg
85 90 95

Ala Val Asn Leu Met Glu Val Thr Ser Leu Ala Ala Ala Glu Asn Leu
100 105 110

Ala Ala His Ser Glu Gln Phe Cys Thr Ala Pro Leu Phe Pro Glu Leu
115 120 125

Tyr Arg Val Gln Ile Pro Val Leu Leu Asn Ser Gly Arg Lys Lys Ser
130 135 140

Ala Val Tyr Trp Thr Pro Ile Ser Phe Asn Arg Thr Lys Lys Leu Arg
145 150 155 160

Leu Gln Gly Arg Thr Tyr Asn Asp Gly Ser Trp Asn Ile Thr
165 170

<210> 193

<211> 193

<212> PRT

<213> Homo sapiens

<220>

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<221> SITE
 <222> (193)
 <223> Xaa equals stop translation

<400> 193

Met	Glu	Ala	Leu	Leu	Gln	Ser	Leu	Val	Ile	Val	Leu	Leu	Gly	Phe	Lys
1				5					10					15	
Ser	Phe	Leu	Ser	Glu	Glu	Leu	Gly	Ser	Glu	Val	Leu	Asn	Leu	Leu	Thr
			20					25					30		
Asn	Lys	Gln	Tyr	Glu	Leu	Leu	Ser	Lys	Asn	Leu	Arg	Lys	Thr	Arg	Glu
		35					40					45			
Leu	Phe	Val	His	Gly	Leu	Pro	Gly	Ser	Gly	Lys	Thr	Ile	Leu	Ala	Leu
	50					55					60				
Arg	Ile	Met	Glu	Lys	Ile	Arg	Asn	Val	Phe	His	Cys	Glu	Pro	Ala	Asn
65					70				75						80
Ile	Leu	Tyr	Ile	Cys	Glu	Asn	Gln	Pro	Leu	Lys	Lys	Leu	Val	Ser	Phe
				85					90					95	
Ser	Lys	Lys	Asn	Ile	Cys	Gln	Pro	Val	Thr	Arg	Lys	Thr	Phe	Met	Lys
			100					105					110		
Asn	Asn	Phe	Glu	His	Ile	Gln	His	Ile	Ile	Ile	Asp	Asp	Ala	Gln	Asn
		115				120					125				
Phe	Arg	Thr	Glu	Asp	Gly	Asp	Trp	Tyr	Gly	Lys	Ala	Lys	Phe	Ile	Thr
	130					135					140				
Gln	Thr	Ala	Arg	Asp	Gly	Pro	Gly	Val	Leu	Trp	Ile	Phe	Leu	Asp	Tyr
145					150					155				160	
Phe	Gln	Thr	Tyr	His	Leu	Ser	Cys	Ser	Ala	Ser	Pro	Leu	Pro	Gln	Thr
				165					170					175	
Ser	Ile	Gln	Glu	Lys	Arg	Ser	Thr	Glu	Trp	Ser	Ala	Met	Gln	Val	Gln
		180						185					190		

Xaa

<210> 194
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals stop translation

<400> 194

Met	Gln	Phe	Ser	Leu	Cys	Leu	Thr	Ala	Val	Phe	Leu	Leu	Gln	Leu	Ala
1				5					10					15	

Ala Gly Ile Leu Gly Phe Val Phe Ser Asp Lys Ala Arg Gly Lys Val
 20 25 30
 Ser Glu Ile Ile Asn Asn Ala Ile Val His Tyr Arg Asp Asp Leu Asp
 35 40 45
 Leu Gln Asn Leu Ile Asp Phe Gly Gln Lys Lys Val Trp Val Ser Gln
 50 55 60
 Trp Ser Gly Gly Leu Trp Val Lys Val Asn Val Ile Pro Arg Asp Ala
 65 70 75 80
 Ser Pro Ser Met Pro Val Gly Leu Phe Ile Thr Cys Gln Val Met Ala
 85 90 95
 Ser Gly Lys Gly Phe Gly Lys Lys Ser Thr Arg Ser Arg Val Leu Xaa
 100 105 110

<210> 195

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (80)

<223> Xaa equals stop translation

<400> 195

Met Cys Arg Pro Leu Leu Pro Leu Leu Phe Pro Trp Gly His Cys Leu
 1 5 10 15
 Ser Ile Pro Leu Cys Lys Trp Pro Gln Ile Met Ser Gln Pro Pro Arg
 20 25 30
 Leu His Arg Leu Leu Ala Ser Gly Pro Ser Thr Lys Lys His Ser Lys
 35 40 45
 Leu Gln Thr His Ser Trp Glu Asn Ser Asn Gly Leu Thr Leu Pro Phe
 50 55 60
 Glu Pro Ala Arg Ser His Gly Leu Trp Arg Ala Ala Phe Glu Ser Xaa
 65 70 75 80

<210> 196

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<222> (88)

<223> Xaa equals stop translation

<400> 196

Met	Leu	Ser	Ile	Ile	Asp	Leu	Leu	Phe	Leu	Leu	Ser	Pro	Thr	Phe	Gly
1				5					10					15	
Leu	Ile	Thr	Glu	Leu	Leu	Phe	Ser	Pro	Glu	Val	Pro	Lys	Ala	Leu	Ser
			20					25					30		
Cys	Pro	Leu	Lys	Ala	Leu	Gly	Gly	Gly	Ser	His	Ser	His	Glu	Pro	Leu
		35				40						45			
Gly	Met	Phe	Ala	Pro	Val	Pro	Pro	Gly	Cys	Glu	Ser	Ser	Thr	Pro	Phe
	50					55					60				
Pro	Lys	Gly	Leu	Gly	Ala	Ser	Lys	Ile	Leu	Thr	Leu	Gly	Ala	Gln	Ala
	65				70					75				80	
Glu	Phe	Arg	Arg	Arg	Ser	His	Xaa								
				85											

<210> 197

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals stop translation

<400> 197

Met	Glu	Asp	His	Phe	Leu	Ile	Gly	His	Phe	Pro	Phe	Phe	Phe	Leu	Phe
1				5					10					15	
Ser	Phe	Pro	Cys	Phe	Cys	Thr	Lys	Pro	Leu	Cys	Arg	Glu	Tyr	Phe	Leu
			20					25					30		
Ile	Cys	Ser	Ile	Gln	Asp	Glu	Ser	Lys	Xaa						
		35						40							

<210> 198

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (69)

<223> Xaa equals stop translation

<400> 198

Met	Phe	Asn	Leu	Pro	Lys	Pro	Val	Phe	Leu	Ser	Trp	Trp	Arg	Trp	Lys
1				5					10					15	
Thr	Ile	Val	Ile	Phe	Leu	Ala	Cys	Leu	Ala	Ser	Ala	Ala	Ile	Lys	Glu

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<210> 199
<211> 153
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (66)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (81)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (86)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (93)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (103)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE

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Ser Cys Ile Gln Gln Val Ser Gln Val Gln Trp Ser Ile Pro Xaa
 50 55 60

<210> 201
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals stop translation

<400> 201
 Met Gln Glu Pro His Gly Lys Phe Leu Ser Trp Gly Arg Trp Leu Trp
 1 5 10 15

Trp Trp Ser Leu Ala Ala Pro Ala Leu Val Gln Ala Val Asn Met Pro
 20 25 30

Pro Ala Tyr Ile Gln Ile Glu Asn Trp Tyr Met Met Leu Leu Met Gly
 35 40 45

Trp Glu Thr Lys Cys Cys His Val Arg Ser Leu Trp Val Gly Thr Xaa
 50 55 60

<210> 202
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 202
 Met Leu Ile Asn Cys Ile Phe Ser Leu Leu Leu Leu Ser His Ala
 1 5 10 15

Asp Gly Met His Leu Phe Ile Ser Ser Gly Asp Arg Ile Leu Phe Cys
 20 25 30

Leu Tyr Phe Leu His Ser Arg Val Cys Ala Xaa
 35 40

<210> 203
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>

<220>
 <221> SITE
 <222> (45)
 <223> Xaa equals stop translation

<400> 214
 Met Phe Val Gly Thr Arg Val Leu Leu Val Pro Leu Pro Phe Phe Ser
 1 5 10 15
 Ile Ser Gly Met Leu Ala Ile Asp Lys Tyr Leu His Lys Lys Leu Leu
 20 25 30
 Leu Asn Glu Ile Ile Thr Thr Ser Thr Trp Ala Leu Xaa
 35 40 45

<210> 215
 <211> 66
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals stop translation

<400> 215
 Met Gly Lys Gly His Gln Arg Pro Trp Trp Lys Val Leu Pro Leu Ser
 1 5 10 15
 Cys Phe Leu Val Ala Leu Ile Ile Trp Cys Xaa Leu Arg Glu Glu Ser
 20 25 30
 Glu Ala Asp Gln Trp Leu Arg Gln Val Trp Gly Glu Val Pro Glu Pro
 35 40 45
 Ser Asp Arg Ser Glu Glu Pro Glu Thr Pro Ala Ala Tyr Arg Ala Arg
 50 55 60
 Thr Xaa
 65

<210> 216
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 216

Met Arg Leu Cys Thr Thr Trp Met Ala Val Lys Phe Leu Trp Trp Gly
 1 5 10 15

Met Thr Trp Ile Pro Ser Gly Lys Ala Cys Ser Trp Thr Gln Pro Leu
 20 25 30

Cys Ser Ser Gly Gly Trp Ser Ser Pro Thr His Leu Pro Thr Ser Leu
 35 40 45

Leu Leu Gly Trp Arg Ala Ser Leu Cys Met Lys Arg Ser Xaa
 50 55 60

<210> 217

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 217

Met Phe Ala Ser Tyr His Ile Gln Phe Phe Thr Trp Leu Ile Gln Lys
 1 5 10 15

Leu Ser Leu Val Trp Lys Ser Val Val Ala Ile Arg Glu Gln Gly Lys
 20 25 30

Glu Leu Val Trp Lys Gln His Leu Pro Leu Arg Ser Tyr Ser Pro Asn
 35 40 45

Asn Ala Lys Ser Leu Gly Leu Xaa
 50 55

<210> 218

<211> 213

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (213)

<223> Xaa equals stop translation

<400> 218

Met Leu Ser Phe Asn Phe Thr Trp Met Val Trp Val Ser Leu Val Leu
 1 5 10 15

Lys Ser Gln Arg Ala Lys Leu Ala Leu His Ser Leu His Leu His Gln
 20 25 30

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Glu Val Arg Leu Arg Met Ser Arg Arg Glu Ser Pro Gly Arg Pro Leu
 35 40 45
 Arg Cys Gly Val Arg Gly Asn Met Gly Ala Arg Thr Pro Val Pro Thr
 50 55 60
 Ala Asp Tyr Pro Ser Pro Tyr Arg Thr Leu Pro Arg Met Ala Ala Pro
 65 70 75 80
 Pro Pro Gln Lys Ser Ser Cys Xaa Arg Leu His Arg Pro His Trp Trp
 85 90 95
 Arg Pro Arg Thr Pro Ser Ser Glu Lys Thr Gly Gly Gln Ser Gln Ser
 100 105 110
 Thr Leu Asp Arg Cys Ala His Leu Val His Met Leu Leu Arg Asp Gln
 115 120 125
 Arg Ala Thr Ser Gln Trp Lys Ala Gly Gly Arg Leu Cys Arg Ala Leu
 130 135 140
 Ser Lys Thr Pro Leu Gln His Gln Leu His Ser Thr Ser Tyr Arg Lys
 145 150 155 160
 Ala Leu Pro Ile Leu Arg Pro Ser Ser Arg Arg Glu Ala Gly Pro Leu
 165 170 175
 His His Ile Asp Leu Arg Arg Cys Phe Ser Arg Leu Gly Arg Gly Ala
 180 185 190
 Asp Phe Ala Val Cys Ala Lys Glu Pro Val Ser Asp Asn Pro Ile Phe
 195 200 205
 Leu Leu Ile Thr Xaa
 210

<210> 219

<211> 41

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals stop translation

<400> 219

Met Asn Met Phe Gln Thr Ile Leu Val Cys Val Leu Phe Val Phe Val
 1 5 10 15

Arg Trp Phe Phe Leu Leu Leu Gln Ile Glu Ser Ile Gln Thr Lys Phe
 20 25 30

His Cys Ile Ser Ser Gln Phe Trp Xaa
 35 40

<210> 220

$$\begin{aligned} \langle 210 \rangle & 225 \\ \langle 211 \rangle & 51 \end{aligned}$$

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 225
 Met Ala Ser Pro Val Phe Lys Thr Phe Trp Arg Leu Glu Leu Ser Val
 1 5 10 15
 Pro Leu Ser Leu Leu Phe Ile Leu Gln Ile Val Thr Ser Leu Ser Ser
 20 25 30
 Asp Glu Ile Cys Tyr Ser Thr Arg Lys Val Phe Ile Ile Arg Arg Gln
 35 40 45
 Leu Tyr Xaa
 50

<210> 226
 <211> 47
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (47)
 <223> Xaa equals stop translation

<400> 226
 Met Cys Met Cys Val Gly Val Cys Leu Ile Thr Leu Leu Asp Arg Phe
 1 5 10 15
 Leu Trp Phe Gly Thr Ala Gly Ala Lys Phe Ile Gln Lys Ser Thr Phe
 20 25 30
 Leu Ser Lys Leu Pro Met Thr Leu Val Ser Phe His Ser Ile Xaa
 35 40 45

<210> 227
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 227
 Met Cys Pro Phe His Lys Ala Tyr Leu Asp Cys Phe Phe Gln Ile Ser
 1 5 10 15
 Leu Leu Leu Leu Ile Phe Leu Thr Tyr Leu Asp Ile Gly Lys Cys Gly
 20 25 30

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<210> 231
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 231
 Met Cys Ile His Tyr Ser Arg Val Ile Phe Ser Phe Leu Lys Leu Arg
 1 5 10 15
 Ile Lys Ser Ile Ser Trp Tyr Ala Met Trp Leu Tyr Phe Phe Cys Tyr
 20 25 30
 Leu Asn Cys Leu Ala Lys Val Arg Ser Ala Thr Thr Tyr Leu Tyr Val
 35 40 45

Xaa

<210> 232
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 232
 Met Leu Pro Val Cys Val Phe Lys Leu Leu Leu Tyr Leu Tyr Val Leu
 1 5 10 15

Ile Arg Ile Cys Thr Ile Ile Trp Cys Phe Lys Val Tyr Ile Asn Ala
 20 25 30

Val Ile Leu Asn Lys Ser Ser Arg Xaa
 35 40

<210> 233
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals stop translation

<400> 233
 Met Asn Cys Gly Gly Ser Thr Leu Cys Val Leu Ser Phe Cys Ser Val

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Arg Trp Pro Ala Ile Asp Val Val Ala Leu Cys Pro Ser Arg Thr Ala
 35 40 45

Gly Ile Ser Phe Pro Arg His Phe Leu Tyr Val Ser Cys Ile Val Gly
 50 55 60

Cys Thr Asn Ile Ile Cys Ser Phe Gly Phe Pro Gly Gln Xaa
 65 70 75

<210> 241
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals stop translation

<400> 241
 Met Glu Val Val Leu Pro Lys His Ile Leu Asp Ile Trp Val Ile Val
 1 5 10 15

Leu Ile Ile Leu Ala Thr Ile Val Ile Met Thr Ser Leu Leu Cys
 20 25 30

Pro Ala Thr Ala Val Ile Ile Tyr Arg Met Arg Thr His Pro Ile Leu
 35 40 45

Ser Gly Ala Val Xaa
 50

<210> 242
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (53)
 <223> Xaa equals stop translation

<400> 242
 Met Tyr Tyr Leu Gly Lys Trp Asp Ile Trp Gln Pro Val Ser Leu Leu
 1 5 10 15

Tyr Ile Ile Leu Phe Ala Ala Cys Pro Ser Leu Leu Ile Ser Ile Pro
 20 25 30

Ala Lys Ala Ser Gly Glu Gly Trp Arg Cys Gly Asp Ile Gln Leu Thr
 35 40 45

Val Val Thr Asp Xaa
 50

<210> 243

<211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 243
 Met Pro Val Ala Phe His Leu Pro Phe Leu Leu Ile Leu Pro Tyr Arg
 1 5 10 15
 Val Leu Pro Val Gly Gln Val Thr Gln Leu Thr Pro Arg Ala Val Glu
 20 25 30
 Val Lys Ile His Asn His Gly Arg Leu Pro Xaa
 35 40

<210> 244
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 244
 Met Ser Trp Pro Leu Cys Thr Leu Leu Phe Ser Trp Asp Cys Ile Leu
 1 5 10 15
 Ala Val Lys Thr Ser Arg Leu Lys Phe Asp Ser Gln Gly Tyr Ile Leu
 20 25 30
 Gly Thr Phe Lys Val Ser Phe Gln Arg Asp Phe Ile Asn Arg Leu Asp
 35 40 45

Xaa

<210> 245
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 245
 Met Ser Ile Ile Ile Tyr Trp Leu Leu Phe Phe Lys His Leu Leu Trp
 1 5 10 15
 Val Leu Ile Ile Gly Met Val Lys Ala Leu His Pro His Tyr Leu Asn

20

25

30

Leu Arg Ile Tyr Glu Phe Gly Glu Ile Thr Ala Val Leu Gln Arg Lys
 35 40 45

Lys Gln Gly Arg Glu Asn Gly Asn Phe Leu Lys Phe Ser Leu Leu Ser
 50 55 60

Leu Asn Arg Ser Arg Ile Pro Thr Gln Ile Xaa
 65 70 75

<210> 246

<211> 44

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals stop translation

<400> 246

Met Ala Ile His Phe His Ile Ile Gln Trp Leu Leu Leu Cys Tyr Asn
 1 5 10 15

Cys His His Ala Gln Trp Gly Leu Trp His Thr Thr Ala Glu Val Ser
 20 25 30

Gly Cys Gly Arg Asn His Leu Ala Phe Lys Ala Xaa
 35 40

<210> 247

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 247

Met Tyr Leu Ser Leu Phe Phe Phe Cys Phe Ser Leu Gln Ala Ser Ala
 1 5 10 15

Val Glu Glu Arg Ser Ala Glu Ser Ser Arg Glu Gly Pro Val Arg Thr
 20 25 30

Asp Asn Trp Gln Arg Cys Phe Gly Asp Ile Pro Gly Thr Pro Thr His
 35 40 45

Leu Val Gln Arg Ser Leu Val Leu Thr Cys Phe Gly Arg Val Leu Ser
 50 55 60

Xaa
 65

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<221> SITE
 <222> (57)
 <223> Xaa equals stop translation

<400> 250
 Met Arg Ser Tyr Phe Pro Phe Ser Val Cys Pro Phe Pro Phe Cys Ser
 1 5 10 15
 Pro Val Phe Phe Phe Val Phe Thr Asp Val Tyr Leu Cys Phe Phe Phe
 20 25 30
 Val Phe Ala Val Gly Arg His Leu Ser Asp Pro Phe Pro Ile Leu Phe
 35 40 45
 Phe Thr His Lys Cys Pro Asp Val Xaa
 50 55

<210> 251
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 251
 Met Arg Ala Cys Gly Trp Asp Leu Ser Ile Leu Leu Val Gly Leu Val
 1 5 10 15
 Met Gly Arg Glu Gly Cys Tyr Ser Arg Leu Pro Pro Thr Glu Tyr Gln
 20 25 30
 Lys Gln Ala Gly Ser Ser Gly Val Cys Lys Asp Val Arg Pro Arg Asn
 35 40 45
 Gln Pro Ser Pro Ser Tyr Pro Cys Lys Ser Leu Ser Pro His Ala Pro
 50 55 60
 Leu Leu Xaa
 65

<210> 252
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 252
 Met Tyr Leu Ile Leu Ser Trp Leu Phe Leu Cys Lys Leu Val Lys Cys
 1 5 10 15

03040003 022004

Thr Ser Trp Glu Gly Asn Arg Ala Ser Gln Thr Leu Ser Phe Gln Glu
 115 120 125
 Ile Ala Leu Leu Lys Ala Val Leu Val Ala Gly Leu Tyr Asp Asn Val
 130 135 140
 Gly Lys Ile Ile Tyr Thr Lys Ser Val Asp Val Thr Glu Lys Leu Ala
 145 150 155 160
 Cys Ile Val Glu Thr Ala Gln Gly Lys Ala Gln Val His Pro Ser Ser
 165 170 175
 Val Asn Arg Asp Leu Gln Thr His Gly Trp Leu Leu Tyr Gln Glu Lys
 180 185 190
 Ile Arg Tyr Ala Arg Val Tyr Leu Arg Glu Thr Thr Leu Ile Thr Pro
 195 200 205
 Phe Pro Val Leu Leu Phe Gly Gly Asp Ile Glu Val Gln His Arg Glu
 210 215 220
 Arg Leu Leu Ser Ile Asp Gly Trp Ile Tyr Phe Gln Ala Pro Val Lys
 225 230 235 240
 Ile Ala Val Ile Phe Lys Gln Leu Arg Val Leu Ile Asp Ser Val Leu
 245 250 255
 Arg Lys Lys Leu Glu Asn Pro Lys Met Ser Leu Glu Met Thr Arg Phe
 260 265 270
 Cys Arg Ser Leu Arg Asn Xaa
 275

<210> 259
 <211> 69
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals stop translation

<400> 259
 Met Lys Val Leu Ser Trp Ile His Phe Ile Leu Ile Ser Leu His Phe
 1 5 10 15

Thr Ser Ser Leu Asp Pro Ser Ser Arg Gly Leu Gly Thr Phe Thr Asp
 20 25 30

Ala Leu Pro Asp Ser Arg Ala Lys Val Trp Glu Gly Glu Met Glu Glu
 35 40 45

Cys Pro Pro Val Cys Val Val Leu Cys Ala Thr Ala Thr Asp Ala Glu
 50 55 60

Gly Phe Ser Gly Xaa
 65

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<210> 260
 <211> 122
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (122)
 <223> Xaa equals stop translation

<400> 260
 Met Ile Met Ala Gln Lys Ile Gly Gly Leu Thr Trp Trp Ala Ile Met
 1 5 10 15
 Phe Ile Ile Leu Phe Glu Ile Thr Gly Thr Ser Ser Ser Phe Leu Arg
 20 25 30
 Ile Asn Ala Leu Pro His Phe Ser Met Asn Arg Cys Gly Glu Ala Tyr
 35 40 45
 Phe Pro Phe Ser Tyr Leu Tyr Thr Ser Leu Gln Lys Gln Phe Leu Met
 50 55 60
 Lys Val Ser Gly Ile Val Lys Asn Leu Arg Gly Asn Asp Asp Trp Arg
 65 70 75 80
 Cys Phe Gly Val Phe Phe Cys Ile His Phe Leu Met Arg Lys Val Leu
 85 90 95
 Asn Val Val Gln Val Arg Pro Asn Tyr Tyr Leu Thr Ile Ile Gly Arg
 100 105 110
 Phe Tyr Val Ser Val Lys Val Phe Lys Xaa
 115 120

<210> 261
 <211> 59
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 261
 Met Gly Lys Ile Cys Lys Asn Trp Val Ser Phe Leu Asp Asn Val Leu
 1 5 10 15
 Leu Leu Ile Leu Phe Leu Tyr Gly Leu Cys Leu Gly Trp Leu Cys Ile
 20 25 30
 Tyr His Gln Ser Tyr Ser Thr Ala Cys Ile Cys Val Val Thr Asp Ala
 35 40 45
 Glu Ile Gln Gln Lys Ser Leu His Ser Ile Xaa

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<400> 264
Met Thr His Trp Ser Gly Cys Ala Ala Leu Tyr Leu Ile Phe Leu Ser
1 5 10 15
Leu Lys Leu Ala Phe Gln Ala Gly Ala Gly Arg Gly Ala Gln Val Gly
20 25 30
Ser Val Leu Pro Pro Ser Gly Gly Ala Val Val Val Asp Gln Tyr Cys
35 40 45
Cys Arg Leu Ser Ala Gln Thr Tyr Phe Ser Leu Pro Ala Leu Gln Lys
50 55 60
Cys Ile Gly Ile Cys Arg Xaa
65 70

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<210> 265
<211> 41
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (41)
<223> Xaa equals stop translation
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<400> 265
Met Val Ala Met Val Phe Leu Lys Ile Ser Val Leu Pro Leu Met Cys
  1                               10                          15
Arg Gly Gln Thr Lys His Lys Val Leu Arg Asp His Ala Tyr Pro Arg
                               20                          25                          30
Val Ser Gln Lys Arg Gly His Ile Xaa
      35                          40

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<210> 266
<211> 72
<212> PRT
<213> Homo sapiens
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<220>
<221> SITE
<222> (72)
<223> Xaa equals stop translation
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```
<400> 266
Met Val Gln Gly Pro Leu Thr His Leu Met Leu Val Leu Ile Ser
      1              5             10            15
Leu Ile Phe Leu Ser Arg Gly Ser Gly Arg Ala Trp Ala Phe Ser His
      20              25            30
Ser Cys Phe Lys Thr Ser Asp Leu Leu Pro Cys Arg Asn Arg Trp Glu
      35              40            45
```

Val Ile Glu Phe Leu His Tyr Ser Asn Leu His Ser His Ile Ser Leu
 50 55 60

Ser Val Thr Lys Thr Phe Leu Xaa
 65 70

<210> 267
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 267
 Gly Arg Ala Phe Ala Leu Arg Thr Met Leu Pro Val Val Ser Ser Val
 1 5 10 15

Phe Ala Leu Pro Phe Tyr Leu Asn Phe Arg Ile Tyr Tyr Phe Lys Ile
 20 25 30

Leu Ser Tyr Leu Asn Val Ile His Phe Ser Ser Thr Asn Phe Glu Tyr
 35 40 45

His Ser Phe Val Leu Leu Asp Leu His Ser Leu Arg Ser Trp Gly Ala
 50 55 60

Lys Leu Gly Leu Arg Phe Gly Gly Phe Arg Ser Arg Val Leu Ser Gly
 65 70 75 80

Gly Ser Ala Ser Asn Ala Asp Trp Arg Phe Cys Ser Asn Ala Phe Ala
 85 90 95

Ser Ser Ala His
 100

<210> 268
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 268
 Leu Pro Val Val Ser Ser Val Phe Ala Leu Pro Phe Tyr Leu Asn Phe
 1 5 10 15

Arg Ile Tyr Tyr Phe
 20

<210> 269
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 269
 Ser Phe Val Leu Leu Asp Leu His Ser Leu Arg Ser Trp Gly Ala Lys
 1 5 10 15

Leu Gly Leu Arg Phe

<213> Homo sapiens

<400> 277

Cys Leu Ser Ile Ala Leu Ser Asn Ala Leu His Ser Leu Asp Gly Ala
1 5 10 15

Thr Ser Arg Ala Asp Phe Val Ala Leu Leu Asp Gln Phe Gly Asn His
20 25 30

Tyr Ile Gln Glu Ala Ile Tyr Gly Phe Glu Glu Ser Cys Ser Ile Trp
35 40 45

Tyr Pro Asn Lys Gln Val Gln Arg Arg Leu Trp Leu Glu Tyr Glu Asp
50 55 60

Ile Ser Lys Gly Asn Ser Pro Ser Asp Glu Ser Glu Glu Arg Glu Arg
65 70 75 80

Asp Pro Lys Cys

<210> 278

<211> 21

<212> PRT

<213> Homo sapiens

<400> 278

Met Ser Ser Leu Trp Cys Ser Gly Thr Gly Asp Val Ile Glu Asp Trp
1 5 10 15

Cys Arg Cys Asp Ser
20

<210> 279

<211> 50

<212> PRT

<213> Homo sapiens

<400> 279

Asn Ser Ala Arg Ala Glu Ala Glu Glu Leu Ser Pro Leu Leu Ser Asn
1 5 10 15

Glu Leu His Arg Gln Arg Ser Pro Gly Val Ser Phe Gly Leu Ser Val
20 25 30

Phe Asn Leu Met Asn Ala Ile Met Gly Ser Gly Ile Leu Gly Leu Ala
35 40 45

Tyr Val
50

<210> 280

<211> 21

<212> PRT

<213> Homo sapiens

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110

[illegible]

AGCACATCCA TCACCAAAAA GTGTGCCTCC AGAAGTGAAT GTCATTTTGT CGGTTGCCAC 420
 CACAGCCGAG ATTCTGAACA TACGGAGTGT AGGTCTTGCT GTGAAGGAAT GATCTGCAAT 480
 GTAGAATTAC CCACCAATCA CACTAATGCA GTGTTTGCCG TAATGCACGC TCAGAGAACA 540
 TCTGGCAGCA GTGCCCCCAC ACTCTACCTA CCAGTGCTTG CCTGGGTCTT TGTGCTTCCA 600
 TTGCTGTGAT GCCACCATTC CTAGGAGAGG CAGAGACCAG CCTCTAAAGC ACAAGCCAAA 660
 AACTGTGTGA ACGGTGAACT TTGGAGTGAA GATCAATCTT GCACTTGGTG AAGAGTGCAC 720
 ATTGGACCTC AAGGCGAAAG CCAGTGGTTT GCTTGATAA AATGTTCCCG CATGAGGCCA 780
 CAGGACTGAG GATGGGAATT TGGCAGGGCC TGAGAAGATG GTCTGACTTC CAGGCTTCCT 840
 GGTCAAAGAG AGCTACGTTT GGGCAGTTCT GCAGAGAGGA TCCTGGCAAC TAGTCCCACC 900
 TGA CTAGGCC TTTAGCTGAA AAGGATTTCT TGACCTCCTT GACTGCCTCA GAGGCTGCCA 960
 GGTCAAACCC TCTTGTTTAT GTGATTAGCT CAGAGCATCT CTATGAAATC TAACCCCTCC 1020
 CCTCATGAGA AAGCAGTTTT CCCCAACCAAC AGCATAGTCA ATGAGAAAGG CAACTGTACG 1080
 AAGAAAACTT CCAGTGGAAC TAATATGAAA TCTATTTGCA AATTATGGGG GGAAATAAAG 1140
 CTTTAAATT ATACAATGTA AAAAAAAAAA AAAAAAAAAA AAAAAA 1187

<210> 288
 <211> 169
 <212> PRT
 <213> Homo sapiens

<400> 288
 Met Leu Leu Leu Cys His Ala Leu Ala Ile Ala Val Val Gln Ile Val
 1 5 10 15
 Ile Phe Ser Glu Ser Trp Ala Phe Ala Lys Asn Ile Asn Phe Tyr Asn
 20 25 30
 Val Arg Pro Pro Leu Asp Pro Thr Pro Phe Pro Asn Ser Phe Lys Cys
 35 40 45
 Phe Thr Cys Glu Asn Ala Gly Asp Asn Tyr Asn Cys Asn Arg Trp Ala
 50 55 60
 Glu Asp Lys Trp Cys Pro Gln Asn Thr Gln Tyr Cys Leu Thr Val His
 65 70 75 80
 His Phe Thr Ser His Gly Arg Ser Thr Ser Ile Thr Lys Lys Cys Ala
 85 90 95
 Ser Arg Ser Glu Cys His Phe Val Gly Cys His His Ser Arg Asp Ser
 100 105 110
 Glu His Thr Glu Cys Arg Ser Cys Cys Glu Gly Met Ile Cys Asn Val

115

<210> 296
 <211> 114
 <212> PRT
 <213> Homo sapiens

<400> 296
 Cys Glu Val Phe Ser Trp His Phe Pro Trp Ser Lys Leu Ser Pro His
 1 5 10 15
 Leu Phe Leu Val Ser Phe Leu Cys Ile Pro Leu Ser Leu Cys His Thr
 20 25 30
 Val Ser Phe Ser Leu Cys Ser Asn Ile Tyr Asn Pro Gly Leu Arg Thr
 35 40 45
 Met Leu Ala Pro His Arg Glu Thr Gly Gly Gln Val Trp Ala Gly Trp
 50 55 60
 Ala Leu Ser Arg Leu His Val Ala Leu Pro Met Ser Leu Gly Val Leu
 65 70 75 80
 Ser Leu Pro Ala Pro Thr Val Thr Val Val Arg Met Glu Gly Gly Asp
 85 90 95
 Trp Lys Val Cys Glu Gln Leu Gly Gln Cys Thr Tyr Ser His Arg Met
 100 105 110
 Thr Lys

<210> 297
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 297
 Lys Arg Met Ala Lys Pro Glu Lys Lys Lys Gly Ser Val Lys Ser Ser
 1 5 10 15
 Leu Gly Ile Phe Leu Gly Pro
 20

<210> 298
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 298
 Tyr Asn Pro Gly Leu Arg Thr Met Leu Ala Pro His Arg Glu Thr Gly
 1 5 10 15
 Gly Gln Val Trp Ala Gly Trp Ala Leu Ser Arg Leu His Val Ala
 20 25 30

<210> 299
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 299
 Ser Cys Lys Thr Glu Asn Leu Leu Glu
 1 5

<210> 300
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 300
 Glu Cys Gly Ser Trp Ala Gly Phe His Thr Ser Ser Phe Pro Arg Pro
 1 5 10 15

Ser Ala Leu Ala Leu Ala Ala Trp Arg Arg Trp Gly Ser Ile Cys His
 20 25 30

Leu His Thr Ala Gly Phe Ile Phe Gly Ala Ala Pro Arg Gly Asn Lys
 35 40 45

Cys Arg
 50

<210> 301
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 301
 Thr Ser Ser Phe Pro Arg Pro Ser Ala Leu Ala Leu Ala Ala Trp Arg
 1 5 10 15

Arg Trp Gly Ser Ile
 20

<210> 302
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 302
 Ile Cys His Leu His Thr Ala Gly Phe Ile Phe Gly Ala Ala Pro Arg
 1 5 10 15

Gly Asn Lys Cys Arg
 20

<210> 303
 <211> 25
 <212> PRT


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<210> 305
<211> 23
<212> PRT
<213> Homo sapiens
```

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<210> 306
<211> 27
<212> PRT
<213> Homo sapiens
```

```
<210> 307
<211> 25
<212> PRT
<213> Homo sapiens
```

```
<210> 308
<211> 29
<212> PRT
<213> Homo sapiens
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<210> 309

Ala Phe Asn Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro Leu
 1 5 10 15

Glu Arg Ser Leu Leu
 20

<210> 318

<211> 19

<212> PRT

<213> Homo sapiens

<400> 318

Pro Glu Ser Pro Val Tyr Pro Arg Arg Arg Thr Phe Ser Pro Asn Pro
 1 5 10 15

Ser Pro Ile

<210> 319

<211> 11

<212> PRT

<213> Homo sapiens

<400> 319

Asn Val Ser Ala Asn Leu Asn Phe His Val His
 1 5 10

<210> 320

<211> 129

<212> PRT

<213> Homo sapiens

<400> 320

Met Ser Asp Phe Glu Lys Val Asp Ile Ser Val His Gln His Ile His
 1 5 10 15

Val Gly Pro Leu Leu Leu Met Thr Thr Glu Ser Trp Gly Pro Ser Cys
 20 25 30

Ala Pro Ser Pro Ala Leu Leu Ser Gly His Thr Ala Ala Ser Phe Thr
 35 40 45

His Thr Leu Gly Gly Val Leu Gly Cys Pro Pro Tyr His Lys Phe Tyr
 50 55 60

Ser Ser Ala His Thr Ser Asp His Arg Lys Glu Thr Asn Lys Val Glu
 65 70 75 80

Glu Gly Arg Trp Val Asp Val Thr Arg Ser Leu Gly Asn Phe Asn Phe
 85 90 95

Arg Arg Lys Phe Phe Cys Val Ser Glu Leu Leu Ile Cys Gly Ile Phe
 100 105 110

Leu Asp Ser Ser Trp Lys Leu Gln Ile Asn Ser Asn Asp Cys Lys Val
 115 120 125

Leu

<210> 321
 <211> 30
 <212> PRT
 <213> Homo sapiens

<400> 321
 Val Gly Pro Leu Leu Leu Met Thr Thr Glu Ser Trp Gly Pro Ser Cys
 1 5 10 15
 Ala Pro Ser Pro Ala Leu Leu Ser Gly His Thr Ala Ala Ser
 20 25 30

<210> 322
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 322
 Glu Thr Asn Lys Val Glu Glu Gly Arg Trp Val Asp Val Thr Arg Ser
 1 5 10 15
 Leu Gly Asn Phe Asn Phe Arg Arg Lys Phe Phe
 20 25

<210> 323
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 323
 Gln Ser Pro Arg Val Arg Ser Leu Gly Asp
 1 5 10

<210> 324
 <211> 50
 <212> PRT
 <213> Homo sapiens

<400> 324
 Gly Gly Pro Met Lys Asp Cys Glu Tyr Ser Gln Ile Ser Thr His Ser
 1 5 10 15
 Ser Ser Pro Met Glu Ser Pro His Lys Lys Lys Lys Ile Ala Ala Arg
 20 25 30

Arg Lys Trp Glu Val Phe Pro Gly Arg Asn Lys Phe Phe Cys Asn Gly
 35 40 45

Arg Ile
 50

Thr Pro Phe Ser Gly Ala Ser Thr Ser Gln Ala Phe

65

70

75

<210> 329
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 329
 Thr Pro Leu Leu Ser Pro Cys Leu Gln Pro Leu Pro Gly Val
 1 5 10

<210> 330
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 330
 Thr Arg Arg Ser Cys Ser Ser Gln Val Ser Ser
 1 5 10

<210> 331
 <211> 140
 <212> PRT
 <213> Homo sapiens

<400> 331
 Gly Arg Gly Asp Lys Pro Arg Gln Asp Arg Pro Ala Ser Leu Arg Leu
 1 5 10 15

Lys Gly Pro Pro Ser Cys Gln Ala Pro Ala Ser His Ser Ser Thr Leu
 20 25 30

Ser Ser His Cys Pro Cys Ser Leu Phe Ala Cys Gly Ser Val Trp Pro
 35 40 45

Gly Ser Leu Gly Ser Gly Ile Phe Ala Arg Leu Ser Gln Leu Leu Pro
 50 55 60

Ser Pro Ala Ser Trp Gly Trp Asp Phe Leu Thr Leu Arg Gln Ala Gln
 65 70 75 80

Gln Met Leu Gly Pro Ser Leu Cys Pro Gly His Ser Thr Ser Ala His
 85 90 95

Gln His Tyr Gly Ala Tyr Val Leu Pro Arg Asp Leu Cys Ser Phe Leu
 100 105 110

Leu Thr Ser Thr Val Gln Gly Thr Ala Pro Leu Lys Asn Ser Arg Val
 115 120 125

Thr Cys Leu Ile Gly Ser Gln Gln Val Pro Leu Cys
 130 135 140

<210> 332
 <211> 146

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<212> PRT

<213> Homo sapiens

<400> 332

Ala Glu Val Thr Ser Pro Ala Lys Thr Asp Leu Gln Val Phe Val Ser
 1 5 10 15

Arg Asp Leu Pro His Ala Arg Pro Leu Pro Leu Thr Ala Ala Pro Phe
 20 25 30

Pro Leu Ile Val Pro Val Pro Phe Leu Pro Val Asp Leu Phe Gly Gln
 35 40 45

Gly Pro Trp Gly Gln Glu Tyr Leu Gln Asp Ser Ala Ser Ser Phe Pro
 50 55 60

Ala Gln Pro Leu Gly Ala Gly Thr Phe Ser Pro Cys Gly Arg His Asn
 65 70 75 80

Arg Cys Trp Asp Pro Val Ser Ala Gln Val Thr Ala Gln Val His Ile
 85 90 95

Ser Thr Met Gly Pro Met Ser Cys Pro Glu Thr Ser Ala Pro Ser Cys
 100 105 110

Ser His Pro Gln Phe Arg Ala Arg Arg Pro Ser Arg Thr Pro Glu Ser
 115 120 125

Pro Val Ser Ser Ala Pro Ser Lys Cys Leu Phe Val Tyr Asp Val Pro
 130 135 140

Leu Leu
 145

<210> 333

<211> 30

<212> PRT

<213> Homo sapiens

<400> 333

Ser Leu Arg Leu Lys Gly Pro Pro Ser Cys Gln Ala Pro Ala Ser His
 1 5 10 15

Ser Ser Thr Leu Ser Ser His Cys Pro Cys Ser Leu Phe Ala
 20 25 30

<210> 334

<211> 30

<212> PRT

<213> Homo sapiens

<400> 334

Gln Gln Met Leu Gly Pro Ser Leu Cys Pro Gly His Ser Thr Ser Ala
 1 5 10 15

His Gln His Tyr Gly Ala Tyr Val Leu Pro Arg Asp Leu Cys
 20 25 30

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<400> 335
Asp Leu Gln Val Phe Val Ser Arg Asp Leu Pro His Ala Arg Pro Leu
1 5 10 15

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<210> 336
<211> 39
<212> PRT
<213> Homo sapiens
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Ser Ala Pro Ser Cys Ser His Pro Gln Phe Arg Ala Arg Arg Pro Ser
20 25 30

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<210> 337
<211> 17
<212> PRT
<213> Homo sapiens
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Leu

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<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (111)
<223> Xaa equals any of the naturally occurring L-amino acids

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305

<210> 339

<212>. PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 339

Gly Gln Pro Ser Gly Pro Pro Ala Ala Trp Pro Gly Pro Ser Gly His
1 5 10 15

Gly Ser Thr Gly Val Ala Ala Gly Gly Ser Thr Xaa Ser Ser Leu Asn
20 25 30

Lys Trp Ile Phe Thr Val His Gly Phe Gly Arg Pro Leu Leu Leu Ser
35 40 45

Ala Leu His Met Leu Val Ala Ala Leu Ala Cys His Arg Gly Ala Arg
50 55 60

Arg Pro
65

<210> 340

<211> 21

<212>. PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 340

Trp Pro Gly Pro Ser Gly His Gly Ser Thr Gly Val Ala Ala Gly Gly
1 5 10 15

Ser Thr Xaa Ser Ser
20

 $\langle 210 \rangle$ 341

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 341

Lys Glu Arg Asn Ile Pro Gly Thr Leu Leu Ser Ile
20 25

<210> 346
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 346
 Lys Ser Thr Leu Ser Ala Ala Val Val Ala Thr Ile Leu Arg Thr Leu
 1 5 10 15

Ala

<210> 347
 <211> 100
 <212> PRT
 <213> Homo sapiens

<400> 347
 Gly Asp His Ser Glu Gln Cys Leu Ile Lys Glu Met Gly Ala Arg Glu
 1 5 10 15
 Arg Arg Phe Cys Lys Ala Arg Gly Tyr Arg Asp Thr Gly Arg Glu Ala
 20 25 30
 Gln Ala Lys Ala Gly Gly Arg Arg Gly Ser Gln Trp Asn Glu Ser Gln
 35 40 45
 Cys Ser Ser Gln Arg Pro Arg Pro Ala Lys Glu Val Arg Lys Thr Arg
 50 55 60
 Pro Arg Ala Gly Val Gly Arg Gly Pro Ala Leu Leu Gln Leu Ser Leu
 65 70 75 80
 Leu Gln Gln Val Val Leu Tyr Val Arg Pro Ser Leu Arg Leu Val Trp
 85 90 95
 Leu Lys Ala Ser
 100

<210> 348
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 348
 Met Glu Arg Gly Glu Tyr Gly Gly Trp Gly Thr Tyr Gly Ser Leu Asp
 1 5 10 15
 Leu Gly Ser Gln Leu Cys Thr Val Arg Ser Ser Gly Pro Cys Gly Ser
 20 25 30
 Leu His Trp Gly Gln His Arg Ser Pro Ile Ser Gly Pro Asp Pro Asn
 35 40 45
 Pro Ser Ser Ser Arg Gly Gln Gln Ser Ile Gly Ser Lys Val Gly Ser
 50 55 60

Pro Ser Arg Ser Gln Trp Arg Ser Trp Lys Glu Val Gly Arg Asp Pro
 65 70 75 80

Glu Lys Gly Glu

<210> 349

<211> 23

<212> PRT

<213> Homo sapiens

<400> 349

Gln Ala Lys Ala Gly Gly Arg Arg Gly Ser Gln Trp Asn Glu Ser Gln
 1 5 10 15

Cys Ser Ser Gln Arg Pro Arg
 20

<210> 350

<211> 26

<212> PRT

<213> Homo sapiens

<400> 350

Val Gly Arg Gly Pro Ala Leu Leu Gln Leu Ser Leu Leu Gln Gln Val
 1 5 10 15

Val Leu Tyr Val Arg Pro Ser Leu Arg Leu
 20 25

<210> 351

<211> 22

<212> PRT

<213> Homo sapiens

<400> 351

Tyr Gly Ser Leu Asp Leu Gly Ser Gln Leu Cys Thr Val Arg Ser Ser
 1 5 10 15

Gly Pro Cys Gly Ser Leu
 20

<210> 352

<211> 20

<212> PRT

<213> Homo sapiens

<400> 352

Lys Val Gly Ser Pro Ser Arg Ser Gln Trp Arg Ser Trp Lys Glu Val
 1 5 10 15

Gly Arg Asp Pro
 20

09010687 032801

Pro Gly Lys Asp Leu Arg Gly Arg Arg Ser Leu Gln Leu Ser Lys His
 100 105 110

Ser Leu Ser Thr Cys Tyr Met Leu Arg Trp Glu Thr Tyr Lys Gln Val
 115 120 125

Ser Tyr Thr Ala Val
 130

<210> 364

<211> 106

<212> PRT

<213> Homo sapiens

<400> 364

Gln Arg His Gln Glu Asn Asp Lys Arg Asn Val His Arg Phe Leu His
 1 5 10 15

Thr Cys Val His Met Pro Met Cys Thr His Thr His Thr Gln Ala Val
 20 25 30

Leu Ser Thr Trp Glu Gly Gln Phe Ser Asn Val Ala Ser Phe Thr Ser
 35 40 45

Leu Lys Arg Ile Pro Leu Ser Ile Ile Tyr Ile His Ser Ser His Ser
 50 55 60

Pro Arg Arg Phe Val Lys Val Cys Gln Leu Arg Gln Glu Lys Ala Leu
 65 70 75 80

Glu Leu Thr Glu Val Tyr Val Ser Ala Ser Leu Lys Leu Gln Leu Tyr
 85 90 95

His Leu His Cys His Phe His Thr Ala Val
 100 105

<210> 365

<211> 24

<212> PRT

<213> Homo sapiens

<400> 365

Arg Gln Ala Pro Thr Ser Leu Tyr Ile Leu Leu Leu His Ile Gln Pro
 1 5 10 15

Thr Pro Thr His Pro Met Leu Gly
 20

<210> 366

<211> 25

<212> PRT

<213> Homo sapiens

<400> 366

Ser His Leu Gly Phe Ile Arg Ser Lys Leu His Gly Leu Val Arg Pro
 1 5 10 15

Gly Lys Asp Leu Arg Gly Arg Arg Ser
20 25

<210> 367
<211> 22
<212> PRT
<213> Homo sapiens

<400> 367
Arg Asn Val His Arg Phe Leu His Thr Cys Val His Met Pro Met Cys
1 5 10 15

Thr His Thr His Thr Gln
20

<210> 368
<211> 25
<212> PRT
<213> Homo sapiens

<400> 368
Gln Leu Arg Gln Glu Lys Ala Leu Glu Leu Thr Glu Val Tyr Val Ser
1 5 10 15

Ala Ser Leu Lys Leu Gln Leu Tyr His
20 25

<210> 369
<211> 31
<212> PRT
<213> Homo sapiens

<400> 369
Pro Arg Val Arg Gly Arg Lys Glu Pro Gly Cys Leu Gly Pro Gly Arg
1 5 10 15

Ala Gly Gly Asp Ser Gln Lys Glu Ile Gly Ser Trp Gln Gln Met
20 25 30

<210> 370
<211> 296
<212> PRT
<213> Homo sapiens

<400> 370
Leu Ser Lys Gly Asn Arg Ile Met Ala Ala Asp Asp Asp Asn Gly Asp
1 5 10 15

Gly Thr Ser Leu Phe Asp Val Phe Ser Ala Ser Pro Leu Lys Asn Asn
20 25 30

Asp Glu Gly Ser Leu Asp Ile Tyr Ala Gly Leu Asp Ser Ala Val Ser
35 40 45

Asp Ser Ala Ser Lys Ser Cys Val Pro Ser Arg Asn Cys Leu Asp Leu
50 55 60

Tyr Glu Glu Ile Leu Thr Glu Glu Gly Thr Ala Lys Glu Ala Thr Tyr
65 70 75 80

Asn Asp Leu Gln Val Glu Tyr Gly Lys Cys Gln Leu Gln Met Lys Glu
85 90 95

Leu Met Lys Lys Phe Lys Glu Ile Gln Thr Gln Asn Phe Ser Leu Ile
100 105 110

Asn Glu Asn Gln Ser Leu Lys Lys Asn Ile Ser Ala Leu Ile Lys Thr
115 120 125

Ala Arg Val Glu Ile Asn Arg Lys Asp Glu Glu Ile Ser Asn Leu His
130 135 140

Gln Lys Ile Val Leu Ser Phe His Ile Phe Glu Ile Ile Ile Lys Leu
145 150 155 160

Gln Gly His Leu Ile Gln Leu Lys Gln Lys Ile Leu Asn Leu Asp Leu
165 170 175

His Ile Trp Met Ile Val Gln Arg Leu Ile Thr Arg Ala Lys Ser Asp
180 185 190

Val Ser Lys Asp Val His His Ser Thr Ser Leu Pro Asn Leu Glu Lys
195 200 205

Glu Gly Lys Pro His Ser Asp Lys Arg Ser Thr Ser His Leu Pro Thr
210 215 220

Ser Val Glu Lys His Cys Thr Asn Gly Val Trp Ser Arg Ser His Tyr
225 230 235 240

Gln Val Gly Glu Gly Ser Ser Asn Glu Asp Ser Arg Arg Gly Arg Lys
245 250 255

Asp Ile Arg His Ser Gln Phe Asn Arg Gly Thr Glu Arg Val Arg Lys
260 265 270

Asp Leu Ser Thr Gly Cys Gly Asp Gly Glu Pro Arg Ile Leu Glu Ala
275 280 285

Ser Gln Arg Leu Gln Gly Thr Ser
290 295

<210> 371

<211> 27

<212> PRT

<213> Homo sapiens

<400> 371

Asn Arg Ile Met Ala Ala Asp Asp Asp Asn Gly Asp Gly Thr Ser Leu
1 5 10 15

Phe Asp Val Phe Ser Ala Ser Pro Leu Lys Asn

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20

25

<210> 372
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 372
 Cys Leu Asp Leu Tyr Glu Glu Ile Leu Thr Glu Glu Gly Thr Ala Lys
 1 5 10 15

Glu Ala Thr Tyr Asn Asp Leu
 20

<210> 373
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 373
 Asp Glu Glu Ile Ser Asn Leu His Gln Lys Ile Val Leu Ser Phe His
 1 5 10 15

Ile Phe Glu Ile Ile Ile Lys Leu Gln Gly
 20 25

<210> 374
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 374
 Glu Lys Glu Gly Lys Pro His Ser Asp Lys Arg Ser Thr Ser His Leu
 1 5 10 15

Pro Thr Ser Val Glu Lys
 20

<210> 375
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 375
 Thr Glu Arg Val Arg Lys Asp Leu Ser Thr Gly Cys Gly Asp Gly Glu
 1 5 10 15

Pro Arg Ile Leu Glu Ala Ser Gln Arg Leu
 20 25

<210> 376
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 376

Lys Ser Tyr Phe Arg Thr Met Gly Gly Thr Lys Arg Gly Ile Lys Lys
 1 5 10 15

Leu Val Asn Val Cys Leu Lys His Pro Lys Asn Thr Ser Leu Ser Gln
 20 25 30

Gln Leu Val Phe Ala Lys Ile Asn Lys Ile Leu Ile Ser Lys Thr Thr
 35 40 45

Lys Ser Thr Asn Leu Lys Gly Leu Lys Cys Leu Pro Pro Leu Ser Val
 50 55 60

Ser Ile His Pro Thr Phe Ile Tyr Tyr Lys His Asn Thr Thr Leu Arg
 65 70 75 80

Ile Val Phe Gly Thr Tyr Phe Asp Phe Phe Pro Tyr Arg Lys Asn Lys
 85 90 95

Asp Gln Ala Phe Glu Gly Glu Asp Trp Glu Ser Ser Leu Asn Val Ser
 100 105 110

Asp Ala Trp
 115

<210> 377

<211> 22

<212> PRT

<213> Homo sapiens

<400> 377

Thr Lys Arg Gly Ile Lys Lys Leu Val Asn Val Cys Leu Lys His Pro
 1 5 10 15

Lys Asn Thr Ser Leu Ser
 20

<210> 378

<211> 26

<212> PRT

<213> Homo sapiens

<400> 378

Ser Ile His Pro Thr Phe Ile Tyr Tyr Lys His Asn Thr Thr Leu Arg
 1 5 10 15

Ile Val Phe Gly Thr Tyr Phe Asp Phe Phe
 20 25

<210> 379

<211> 56

<212> PRT

<213> Homo sapiens

<400> 379

Thr Arg Pro Arg Arg His Leu Gly Gly Gln Pro Gly Ala Leu His Gly
1 5 10 15

Gln Ala Ala Cys Val His Val Pro Cys Leu Val Pro Leu Cys Pro Pro
20 25 30

Pro Ala Asn Leu Thr Gly Ser Pro His Asn Ser Ala Leu Gln Lys Gln
35 40 45

Pro Leu Gly Gly Arg Gly Arg Lys
50 55

<210> 380

<211> 21

<212> PRT

<213> Homo sapiens

<400> 380

Gln Pro Gly Ala Leu His Gly Gln Ala Ala Cys Val His Val Pro Cys
1 5 10 15

Leu Val Pro Leu Cys
20

<210> 381

<211> 21

<212> PRT

<213> Homo sapiens

<400> 381

Cys Pro Pro Pro Ala Asn Leu Thr Gly Ser Pro His Asn Ser Ala Leu
1 5 10 15

Gln Lys Gln Pro Leu
20

<210> 382

<211> 28

<212> PRT

<213> Homo sapiens

<400> 382

Pro Asp Ala Gly Thr Ala Ser Ser Gln Arg Glu Pro Arg Arg Cys Arg
1 5 10 15

Ala Gly Glu Ala Pro Ser Leu Pro Ala Cys Ala Pro
20 25

<210> 383

<211> 40

<212> PRT

<213> Homo sapiens

<400> 383

Phe Leu Ile His Leu Glu Val Ile Trp Glu Leu Gly Cys Phe Ser Pro

20

<210> 390
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 390
 Glu Gln Lys Ser Gln Gly Thr Glu Glu Trp Cys Asp Arg Glu Gly Lys
 1 5 10 15
 Lys Arg Arg Ser Ile
 20

<210> 391
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (64)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 391
 Asp Glu Trp Gly Ala Gly Arg Arg Met Glu Trp Glu Asp Asn Leu Pro
 1 5 10 15
 Leu Glu Phe Ser Cys Pro Val Thr Lys Leu Leu Ser Val Pro Ser Trp
 20 25 30
 Thr Pro Leu Asp Ala Gln Met Leu Leu Leu Phe Phe Pro Ser Leu Ser
 35 40 45
 His His Ser Ser Val Pro Trp Leu Phe Cys Ser Ser Pro Cys Gly Xaa
 50 55 60
 Xaa Gly Leu Gly Phe Ile
 65 70

<210> 392
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 392
 Glu Trp Glu Asp Asn Leu Pro Leu Glu Phe Ser Cys Pro Val Thr Lys
 1 5 10 15
 Leu Leu Ser Val Pro
 20

<210> 393
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 393
 Pro Ser Trp Thr Pro Leu Asp Ala Gln Met Leu Leu Leu Phe Phe Pro
 1 5 10 15

Ser Leu Ser His His
 20

<210> 394
 <211> 21
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 394
 His Ser Ser Val Pro Trp Leu Phe Cys Ser Ser Pro Cys Gly Xaa Xaa
 1 5 10 15

Gly Leu Gly Phe Ile
 20

<210> 395
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 395
 Ile Thr Glu Val Arg Lys Asp Asp Leu Lys Val Val Arg Ile
 1 5 10

<210> 396
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 396
 Gln Gly Leu Ser His Ile Phe Trp Met Asn Glu Gln Thr Leu Lys
 1 5 10 15

<210> 397

Pro Pro Ile Phe Cys Leu Phe Thr Xaa Pro Ala Leu Thr Xaa His Gly
 50 55 60
 Leu Asp Arg Val Ala Ala Leu Val Glu Cys Thr Ile Trp Xaa Xaa Xaa
 65 70 75 80
 Gly Met Trp Tyr Arg Arg Arg Tyr Ser Cys Cys Gln Phe Arg Asp Arg
 85 90 95
 Ser Ile Arg Asp Val Phe Pro Glu Ala Val Met Leu Gln Gln His Leu
 100 105 110
 Arg His Leu Ala Val Ala Thr Tyr Arg Cys Arg Arg Arg Ser Pro Cys
 115 120 125
 Lys Ala Pro Thr Val Glu Glu Ala Glu Gly Gly Lys Pro Arg Ala Val
 130 135 140
 Pro Ser Gly Thr Gly Phe Gln Lys His Gly Gln Glu Pro Gly Gly Ser
 145 150 155 160
 Thr Ser Pro His Trp Phe Trp Gly His Leu Gln Leu Leu Val Leu Ser
 165 170 175
 Val Asn Asn Arg Gln Leu Phe Val Gln Gly Arg Ala Gly Tyr Leu Glu
 180 185 190
 Met Thr Gly Leu Pro Cys Pro Lys Leu Leu Leu Thr Leu Leu Arg Gly
 195 200 205
 Leu Thr Pro Gly Val Gly His Gly Leu Cys Ala Tyr Arg Arg Gly Cys
 210 215 220
 Leu Ala Trp Arg Leu Asp Xaa Ala Ser
 225 230

<210> 399

<211> 176

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 399

Ile Leu Trp Arg Gln Ala Pro Glu Ala Pro His Cys Ser Gln Asp Ser
 1 5 10 15
 Val Ser Ser Ser Pro Arg Leu Gln Glu Asp Leu Ala His Val Thr Gln
 20 25 30
 Val Thr Arg His Pro His Phe Arg Ser Leu Pro Ser Ala Trp Cys Ser
 35 40 45
 His Ser Ser Leu Leu Pro Val Ser Leu Pro Arg His Ala Leu Ala Thr
 50 55 60
 Lys Ser Pro Asn Met Xaa Xaa Ser Ser Pro Ile Leu His Leu Ile Gln
 65 70 75 80
 Phe Thr Gly Gln Ile Ser Ser Pro Leu Gly Gly Xaa Val Gln Pro Pro
 85 90 95
 Gly Gln Thr Ala Ser Pro Ile Cys Thr Gln Pro Met Ser His Pro Arg
 100 105 110
 Arg Gln Ala Ser Gln Gln Cys Glu Gln Gln Leu Trp Thr Gly Gln Thr
 115 120 125
 Ser His Leu Gln Ile Pro Cys Pro Ala Leu Asn Lys Glu Leu Pro Val
 130 135 140
 Val Asp Thr Gln Asp Lys Glu Leu Gln Met Ser Pro Glu Pro Met Trp
 145 150 155 160
 Gly Cys Gly Pro Ser Arg Leu Leu Pro Met Leu Leu Glu Ser Cys Ala
 165 170 175

<210> 400
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 400
 Met Leu Gln Gln His Leu Arg His Leu Ala Val Ala Thr Tyr Arg Cys
 1 5 10 15

Arg Arg Arg Ser Pro Cys Lys Ala Pro Thr Val Glu Glu Ala Glu Gly
 20 25 30

Gly Lys

<210> 401
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 401

Val Thr Gln Val Thr Arg His Pro His Phe Arg Ser Leu Pro Ser Ala
1 5 10 15

Trp Cys Ser His Ser Ser Leu Leu Pro Val Ser Leu Pro
20 25

<210> 402

<211> 28

<212> PRT

<213> Homo sapiens

<400> 402

Gly Gln Thr Ala Ser Pro Ile Cys Thr Gln Pro Met Ser His Pro Arg
1 5 10 15

Arg Gln Ala Ser Gln Gln Cys Glu Gln Gln Leu Trp
20 25

<210> 403

<211> 79

<212> PRT

<213> Homo sapiens

<400> 403

Phe Ile Thr Leu Arg Leu Gly Pro Lys Asn Met Ala Gly Val Leu Trp
1 5 10 15

Arg His Ser Asn Leu Gln Thr Pro His Tyr Ile Ser Trp Cys Pro Leu
20 25 30

Leu Asn Tyr Arg Glu Thr Gly Asn Cys Leu Leu His Val Ser Gly Phe
35 40 45

Leu Asn Ser Arg Leu Leu Ala Asn Cys Ser Gly Glu Ala Ser Gly Lys
50 55 60

Val Ile Gln Thr Leu Leu Trp Pro Gly Glu Ile Ser Ala Val Ala
65 70 75

<210> 404

<211> 82

<212> PRT

<213> Homo sapiens

<400> 404

Lys Ile Arg Thr Phe Leu Phe Ser Gly His Arg Leu Phe Ser Thr Gln
1 5 10 15

Gly Gln Ser Leu Thr Val Lys Ala His Thr Ala Phe Met Leu Ile Val
20 25 30

Lys Asn Leu Arg Tyr Phe Ile Ala Phe Lys Phe Leu Met Gly Ile Ser
35 40 45

Asp Ser Ser Glu Ile Gly Leu Val Met Gln Pro Leu Gln Lys Pro His
50 55 60

Leu Pro

<400> 405

Ile Ser Trp Cys Pro Leu Leu Asn Tyr Arg
20 25

<400> 406

Ile Gly' Leu Val Met Gln Pro Leu Gln Lys Pro His Thr
20 25

<400> 407

<210> 408

 $\langle 211 \rangle$ 152

<212> PRT

<213> Homo sapiens

<400> 408

Ala Ser Pro Pro Lys Ser Tyr Ile Arg Gly Lys Leu Gly Leu Glu .Glu
20 25 30

Tyr Ala Val Phe Tyr Pro Pro Asn Gly Val Ile Pro Phe His Gly Phe
35 40 45

Ser Met Tyr Val Ala Pro Leu Cys Phe Leu Tyr His Glu Pro Ser Lys
50 55 60

Leu Tyr Gln Ile Phe Arg Glu Met Tyr Val Arg Phe Phe Phe Arg Leu
65 70 75 80

His Ser Ile Ser Ser His Pro Ser Gly Ile Val Ser Leu Cys Leu Leu
85 90 95

Phe Glu Thr Leu Leu Gln Thr Tyr Leu Pro Gln Leu Phe Tyr His Leu
100 105 110

Arg Glu Ile Gly Ala Gln Pro Leu Arg Ile Ser Phe Lys Trp Met Val
115 120 125

Arg Ala Phe Ser Gly Tyr Leu Ala Thr Asp Gln Leu Leu Leu Leu Trp
130 135 140

Asp Arg Ile Leu Gly Tyr Asn Ser
145 150

<210> 409

<211> 39

<212> PRT

<213> Homo sapiens

<400> 409

Leu Cys Gln Arg Gly Trp Ala Gly Gln Pro Gly Ile Leu Thr Asp Gly
1 5 10 15

His Pro Leu Pro Gly Gln Ala Ala Ser Arg Ser His Gln Gly Pro Val
20 25 30

Gly Pro Gly Phe Ser Ala Asn
35

<210> 410

<211> 21

<212> PRT

<213> Homo sapiens

<400> 410

Gln Pro Gly Ile Leu Thr Asp Gly His Pro Leu Pro Gly Gln Ala Ala
1 5 10 15

Ser Arg Ser His Gln
20

<210> 411

<211> 6

<212> PRT

<213> Homo sapiens

<400> 411

Leu Leu Arg Pro Ile Leu
1 5

<210> 412
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 412

Ala Arg Ala Asp Arg Ala Arg Gly Ala Ala Ala Gly Arg Ser Gly Arg
 1 5 10 15

Ala Ala Ala Ala Pro Trp Thr Pro Val Ser Ser Leu Ser Ser Leu
 20 25 30

Thr Glu Trp Pro Pro Pro Lys Cys Cys Gln Pro Arg Lys Pro Pro Ala
 35 40 45

Leu Thr Met Ser Ile
 50

<210> 413
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 413

Ala Ala Ala Gly Arg Ser Gly Arg Ala Ala Ala Ala Pro Trp Thr Pro
 1 5 10 15

Val Ser Ser Leu Ser
 20

<210> 414
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 414

Ser Ser Ser Leu Thr Glu Trp Pro Pro Pro Lys Cys Cys Gln Pro Arg
 1 5 10 15

Lys Pro Pro Ala Leu
 20

<210> 415
 <211> 137
 <212> PRT
 <213> Homo sapiens

<400> 415

Glu Tyr Phe Leu Glu Phe Val Phe Ser Leu Ile Trp Ile Leu Ser His
 1 5 10 15

Cys Ser Ile Leu Leu Ser Ser Ala Val Cys Asp Pro Gly Asn Ile Arg
 20 25 30

<210> 419
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 419
 Asn Pro Pro Val Ala Pro His Pro Arg Glu Lys Ile Ile Thr Ile Glu
 1 5 10 15

Glu Thr His Glu Glu
 20

<210> 420
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 420
 Glu Leu Lys Lys Gln Tyr Ile Phe Gln Leu Ser Ser Leu Asn Pro Gln
 1 5 10 15

Glu Arg Ile Asp Tyr
 20

<210> 421
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 421
 Ile Asn Ile Cys Ile Tyr
 1 5

<210> 422
 <211> 11
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 422
 Leu Gln Glu Ser Ala Xaa Gln Phe Ser Ser Ser
 1 5 10

<210> 423
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 423

Asn Leu His Gly Cys His Gly Lys Phe Gln Glu His Asn Leu Lys Val
1 5 10 15

Asn Cys Met Thr Leu Phe Cys Val Ser Leu Thr Thr Thr His Ser Val
20 25 30

Ser Leu Lys Val Thr Val Tyr Ile Thr Val Ser Ile Leu Cys Met Pro
35 40 45

Asp Thr Gln Asp Ser Asn Phe Ser Phe Pro Leu Asp Thr Thr Tyr Leu
50 55 60

Val Ile Asn Phe Gly Ser Thr Tyr Ser Thr Lys
65 70 75

<210> 424

<211> 30

<212> PRT

<213> Homo sapiens

<400> 424

Leu Phe Cys Val Ser Leu Thr Thr Thr His Ser Val Ser Leu Lys Val
1 5 10 15

Thr Val Tyr Ile Thr Val Ser Ile Leu Cys Met Pro Asp Thr
20 25 30

<210> 425

<211> 11

<212> PRT

<213> Homo sapiens

<400> 425

Leu Leu Asn Pro Lys Ala Ser Leu His Ser Ala
1 5 10

<210> 426

<211> 20

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (18)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 426

Asp Pro Arg Val Arg Ala Ser Val Gly Arg Cys Val Arg Ala Ala Gly
1 5 10 15

Phe Xaa Leu Ala
20

<210> 427

<211> 87

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (6)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (37)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (82)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (83)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 427
 Pro Tyr Arg Gly Gly Xaa Pro Tyr His Leu Pro Glu Ser Pro Pro Lys
 1 5 10 15

Arg Val Pro Trp Gln Glu His Ala Pro Arg Gln Val Cys Trp Arg Leu
 20 25 30

Cys Pro Ile Arg Xaa Gly Leu Glu Glu Lys Gly Gly Arg His Gln Ser
 35 40 45

Gln Glu Pro Gly Met Xaa Gly Ser Cys Trp Ala Phe Ser Xaa Thr Gly
 50 55 60

Asn Val Glu Gly Gln Trp Phe Leu Lys Gln Gly Pro Xaa Leu Pro Leu
 65 70 75 80

<210> 429
<211> 85

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 429
 Thr Leu Ala Ala Ala Val Xaa Ala Gly Ala Ala Pro Gly Xaa Arg
 1 5 10 15
 Ser Arg Pro Ala Pro Pro Ser Ser Arg Arg Ser Gly Pro Gly Gly Gly
 20 25 30
 Val Pro Gly Ala Ala Gly Ala Arg Pro Leu Arg Ala Gly Asp Val Gln
 35 40 45
 Pro Arg Pro Gly Ser Arg Xaa Ala Gly Asp Ala Gly Gly Arg Ala Arg
 50 55 60
 Ser Arg Pro Pro Gly Gly Arg Gly Val Ala Val Leu Pro Glu Gly Asp
 65 70 75 80
 Pro Gly Gly Ala Ser
 85

<210> 430
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 430
 Ser Phe Glu Val Leu Asp Glu Leu Gly Lys His Met Leu Leu Arg Arg
 1 5 10 15
 Asp Cys Gly Pro Val Asp Thr Lys Val Thr Asp Asp Lys Asn Glu Thr
 20 25 30
 Leu Ser Ser Val Leu Pro Leu Leu Asn Lys Glu Pro Leu Pro Gln Asp
 35 40 45
 Phe Ser Val Lys Met Ala Ser Ile Phe Lys Glu Phe Val Thr Thr Tyr
 50 55 60
 Asn Arg Thr Tyr Glu Ser Lys Glu Glu Thr Gln Trp Arg Met Ser Val
 65 70 75 80

Phe Ser Asn Asn Met Met Arg Ala Gln Lys Ile Gln Ala Leu Asp Arg
 85 90 95

Gly Thr Ala Gln Tyr Gly Val Thr Lys Phe Ser Asp Leu Thr Glu Glu
 100 105 110

Glu Phe His Thr Ile Tyr Leu
 115

<210> 431

<211> 11

<212> PRT

<213> Homo sapiens

<400> 431

Thr Ser His Pro Leu Gly Gly Gly Val Glu Arg
 1 5 10

<210> 432

<211> 9

<212> PRT

<213> Homo sapiens

<400> 432

Ala Cys Cys Cys Leu Glu Trp Ala Gly
 1 5

<210> 433

<211> 43

<212> PRT

<213> Homo sapiens

<400> 433

Ser Ala Glu Gln Lys Thr Arg Leu His Leu Leu Tyr Lys Thr Glu Leu
 1 5 10 15

Tyr Phe Ser Phe Ile Ile Ser Arg Val Ala Val Leu Leu Val Leu Ile
 20 25 30

His Trp Arg Gly Gly Ile Arg Thr Asp Val Ser
 35 40

<210> 434

<211> 23

<212> PRT

<213> Homo sapiens

<400> 434

Thr Leu Gln Asn Ile Tyr Pro Leu Leu Ile Asp Ala Ser Leu Tyr Ile
 1 5 10 15

Cys Val Tyr Ile His Thr Tyr
 20

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<400> 435

Arg Ala Gly Ile Gly Asn Thr Phe Gln Gly Gly Ala Asn Cys Ile
20 25 30

<211> 99

<212> PRT

<213> Homo sapiens

<400> 436

Glu Arg Val Ser Gly Thr Arg Phe Arg Glu Val Pro Thr Ala Ser Cys
20 25 30

Ser Ser Ser Ala Pro Ala Pro Ser Glu Leu Gly Ser Ser Leu Ser Val
35 40 45

Ala Ala Ala Ala Leu Leu Ser Leu Pro Pro Arg Ala Arg Leu Ala Leu
50 55 60

Pro Arg Leu Pro Arg Leu Pro Ser Gln Glu Asn Leu Arg Asn Pro Lys
65 70 75 80

Gly Pro Gln Gly Asn Phe Gln Ala Pro Gly Ala Phe Val Leu Ser Ser
85 90 95

Ser Val Ala

<210> 437

<211> 216

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

$\langle 222 \rangle$ (108)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

 $\langle 220 \rangle$

<221> SITE

<222> (155)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 437

Cys Ala Ala Ala Ser Ala Val Pro Pro Gly Pro Glu Ala His Gln Gln
1 5 10 15

Ser Gly Tyr Arg Glu His Val Ser Gly Arg Cys Gln Leu His His Val
20 25 30

Arg Pro Leu His Pro Arg Arg Pro Asn Ser Ala Leu Leu Ser Leu Leu
35 40 45

Leu Leu Leu Leu Phe Ser Ala Ser His Gln Glu Pro Gly Trp His Ser
50 55 60

Gln Gly Ser Arg Ala Phe Gln Ala Arg Arg Ile Ser Gly Ile Pro Arg
65 70 75 80

Asp Pro Arg Gly Thr Ser Lys His Leu Glu Leu Leu Ser Phe Leu Val
85 90 95

Leu Trp His Arg Cys Cys Leu Pro Gly Gly Arg Xaa Phe Cys Glu Ser
100 105 110

Leu Xaa Gln Gly Arg Ser Ala Cys Leu Leu His Gln Lys Pro Pro Leu
115 120 125

Leu Met Leu Ser Ala Pro Leu Gly Glu Gln Leu Pro Thr Gln Leu Leu
130 135 140

Leu Pro Pro Arg Ser Ser Gly Ser Lys Phe Xaa Arg Tyr Gln Arg Pro
145 150 155 160

Gly Pro Arg Val Gly Val His Leu His Lys Gly Ser Ser Glu Ile Arg
165 170 175

Glu Ala Gly Gly Pro Gln Leu Trp Pro Gln Cys Pro His Pro Val Asp
180 185 190

Leu Asp Val Leu Arg Thr Thr Gln His Cys Leu Gln Ser Glu Gly Pro
195 200 205

Thr Ser Val His Leu Ser Ser Val
210 215

<210> 438

<211> 147

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (34)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (39)

Val Lys

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<220>
<221> .SITE
<222> (108)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 447

His Glu Ala Arg Gln Gly Val Ser Arg Gly Val Lys Ala Ala Met Asn
 1 5 10 15

Arg Val Leu Cys Ala Pro Ala Ala Gly Ala Val Arg Ala Leu Arg Leu
 20 25 30

Ile Gly Trp Ala Ser Arg Ser Leu His Pro Leu Pro Gly Ser Arg Asp
 35 40 45

Arg Ala His Pro Ala Ala Glu Glu Glu Asp Asp Pro Asp Arg Pro Ile
 50 55 60

Glu Phe Ser Ser Ser Lys Ala Asn Pro His Arg Trp Ser Val Gly His
 65 70 75 80

Thr Met Gly Lys Gly His Gln Arg Pro Trp Trp Lys Val Leu Pro Leu
 85 90 95

Ser Cys Phe Leu Val Ala Leu Ile Ile Trp Cys Xaa Leu Arg Glu Glu
 100 105 110

Ser Glu Ala Asp Gln Trp Leu Arg Gln Val Trp Gly Glu Val Pro Glu
 115 120 125

Pro Ser Asp Arg Ser Glu Glu Pro Glu Thr Pro Ala Ala Tyr Arg Ala
 130 135 140

Arg Thr
 145

<210> 448

<211> 249

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (221)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 448

Met Trp Val Xaa Gly Glu Glu Val Leu Gly Ser His Ala Ala Ser Pro
 1 5 10 15

Ala Phe Leu His Arg Cys Phe Ser Glu Glu Ser Cys Val Ser Ile Pro
 20 25 30

Glu Val Glu Gly Tyr Val Val Val Leu Gln Pro Asp Ala Pro Gln Ile
 35 40 45

Leu Leu Ser Gly Thr Ala His Phe Ala Arg Pro Ala Val Asp Phe Glu

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50					55					60					
Gly	Thr	Asn	Gly	Val	Pro	Leu	Phe	Pro	Asp	Leu	Gln	Ile	Thr	Cys	Ser
65						70					75				80
Ile	Ser	His	Gln	Val	Glu	Ala	Lys	Lys	Asp	Glu	Ser	Trp	Gln	Gly	Thr
			85						90					95	
Val	Thr	Asp	Thr	Arg	Met	Ser	Asp	Glu	Ile	Val	His	Asn	Leu	Asp	Gly
			100					105					110		
Cys	Glu	Ile	Ser	Leu	Val	Gly	Asp	Asp	Leu	Asp	Pro	Glu	Arg	Glu	Ser
		115					120					125			
Leu	Leu	Leu	Asp	Thr	Thr	Ser	Leu	Gln	Gln	Arg	Gly	Leu	Glu	Leu	Thr
	130					135					140				
Asn	Thr	Ser	Ala	Tyr	Leu	Thr	Ile	Ala	Gly	Val	Glu	Ser	Ile	Thr	Val
145					150					155					160
Tyr	Glu	Glu	Ile	Leu	Arg	Gln	Ala	Arg	Tyr	Arg	Leu	Arg	His	Gly	Ala
				165					170					175	
Ala	Leu	Tyr	Thr	Arg	Lys	Phe	Arg	Leu	Ser	Cys	Ser	Glu	Met	Asn	Gly
			180					185					190		
Arg	Tyr	Ser	Ser	Asn	Glu	Phe	Ile	Val	Glu	Val	Asn	Val	Leu	His	Ser
		195					200					205			
Met	Asn	Arg	Val	Ala	His	Pro	Ser	His	Val	Leu	Ser	Xaa	Gln	Gln	Phe
	210					215					220				
Leu	His	Arg	Gly	His	Gln	Pro	Pro	Pro	Glu	Met	Ala	Gly	His	Ser	Leu
225					230					235					240
Ala	Ser	Ser	His	Arg	Asn	Ser	Ser	Thr							
				245											

<210> 449
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 449
 Leu Gly Ser His Ala Ala Ser Pro Ala Phe Leu His Arg Cys Phe Ser
 1 5 10 15

Glu Glu Ser Cys Val Ser Ile
 20

<210> 450
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 450
 Gly Tyr Val Val Val Leu Gln Pro Asp Ala Pro Gln Ile Leu Leu Ser

1 5 10 15

Gly Thr Ala His Phe Ala Arg Pro Ala Val Asp Phe Glu
20 25

<210> 451
<211> 26
<212> PRT
<213> Homo sapiens

<400> 451
Ile Thr Cys Ser Ile Ser His Gln Val Glu Ala Lys Lys Asp Glu Ser
1 5 10 15

Trp Gln Gly Thr Val Thr Asp Thr Arg Met
20 25

<210> 452
<211> 29
<212> PRT
<213> Homo sapiens

<400> 452
Asn Leu Asp Gly Cys Glu Ile Ser Leu Val Gly Asp Asp Leu Asp Pro
1 5 10 15

Glu Arg Glu Ser Leu Leu Leu Asp Thr Thr Ser Leu Gln
20 25

<210> 453
<211> 23
<212> PRT
<213> Homo sapiens

<400> 453
Ser Ala Tyr Leu Thr Ile Ala Gly Val Glu Ser Ile Thr Val Tyr Glu
1 5 10 15

Glu Ile Leu Arg Gln Ala Arg
20

<210> 454
<211> 26
<212> PRT
<213> Homo sapiens

<400> 454
Arg Leu Ser Cys Ser Glu Met Asn Gly Arg Tyr Ser Ser Asn Glu Phe
1 5 10 15

Ile Val Glu Val Asn Val Leu His Ser Met
20 25

<210> 455

Leu Thr Glu Val Gly Leu
20

Val Val Ser Thr Phe Ser Asp
20

<400> 461
Thr Ser Glu Lys Asn Pro Leu Asp Ile Asp Ala Ser Gly Val Val Gly
1 5 10 15

Leu Ser Phe Ser
20

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<400> 462
Asn Glu Asp Val Ser Asp Glu Lys Thr Ala Glu Ala Ala Met Gln Arg
  1                      5                      10                      15
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Leu Lys Ala Ala Asn Ile Pro Glu His Asn
20 25

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<210> 463  
<211> 25  
<212> PRT  
<213> Homo sapiens
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<400> 463
Tyr Tyr Arg Ala Lys Gly Asn Val Glu Ala Asp Ala Phe Arg Lys Phe
1 5 10 15

Phe Pro Ser Val Pro Leu Phe Gly Phe
20 25

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<210> 464
<211> 26
<212> PRT
<213> Homo sapiens
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<400> 464

Ile Gly Cys Asp Arg Ile Val Thr Gly Asn Phe Ile Leu Arg Lys Cys
 1 5 10 15

Asn Glu Val Lys Asp Asp Asp Leu Phe His
 20 25

<210> 465

<211> 65

<212> PRT

<213> Homo sapiens

<400> 465

Gly Thr Arg Tyr Phe Leu Met Glu Leu Val Trp Phe Arg Phe Leu His
 1 5 10 15

Leu Asn Leu Leu Pro Arg Gly Val Cys Cys Gly Ile Cys Val Cys Val
 20 25 30

Arg Arg Gly Met Val Leu Ser Glu Pro Thr Ser Cys Gly Gln Arg Ala
 35 40 45

Leu Ser Cys Glu Gly Gly Cys His Ser Gly Arg Val Gln Phe Arg Arg
 50 55 60

Pro
 65

<210> 466

<211> 341

<212> PRT

<213> Homo sapiens

<400> 466

Met Pro Lys Arg Lys Val Thr Phe Gln Gly Val Gly Asp Glu Glu Asp
 1 5 10 15

Glu Asp Glu Ile Ile Val Pro Lys Lys Lys Leu Val Asp Pro Val Ala
 20 25 30

Gly Ser Gly Gly Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp
 35 40 45

Ser Asp Glu Glu Glu Asp Asp Asp Asp Gly Gly Ser Ser Lys Tyr Asp
 50 55 60

Ile Leu Ala Ser Glu Asp Val Glu Gly Gln Glu Ala Ala Thr Leu Pro
 65 70 75 80

Ser Glu Gly Gly Val Arg Ile Thr Pro Phe Asn Leu Gln Glu Glu Met
 85 90 95

Glu Glu Gly His Phe Asp Ala Asp Gly Asn Tyr Phe Leu Asn Arg Asp
 100 105 110

Ala Gln Ile Arg Asp Ser Trp Leu Asp Asn Ile Asp Trp Val Lys Ile
 115 120 125

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Arg Glu Arg Pro Pro Gly Gln Arg Gln Ala Ser Asp Ser Glu Glu Glu
 130 135 140
 Asp Ser Leu Gly Gln Thr Ser Met Ser Ala Gln Ala Leu Leu Glu Gly
 145 150 155 160
 Leu Leu Glu Leu Leu Leu Pro Arg Glu Thr Val Ala Gly Ala Leu Arg
 165 170 175
 Arg Leu Gly Ala Arg Gly Gly Gly Lys Gly Arg Lys Gly Pro Gly Gln
 180 185 190
 Pro Ser Ser Pro Gln Arg Leu Asp Arg Leu Ser Gly Leu Ala Asp Gln
 195 200 205
 Met Val Ala Arg Gly Asn Leu Gly Val Tyr Gln Glu Thr Arg Glu Arg
 210 215 220
 Leu Ala Met Arg Leu Lys Gly Leu Gly Cys Gln Thr Leu Gly Pro His
 225 230 235 240
 Asn Pro Thr Pro Pro Pro Ser Leu Asp Met Phe Ala Glu Glu Leu Ala
 245 250 255
 Glu Glu Glu Leu Glu Thr Pro Thr Pro Thr Gln Arg Gly Glu Ala Glu
 260 265 270
 Ser Arg Gly Asp Gly Leu Val Asp Val Met Trp Glu Tyr Lys Trp Glu
 275 280 285
 Asn Thr Gly Asp Ala Glu Leu Tyr Gly Pro Phe Thr Ser Ala Gln Met
 290 295 300
 Gln Thr Trp Val Ser Glu Gly Tyr Phe Pro Asp Gly Val Tyr Cys Arg
 305 310 315 320
 Lys Leu Asp Pro Pro Gly Gly Gln Phe Tyr Asn Ser Lys Arg Ile Asp
 325 330 335
 Phe Asp Leu Tyr Thr
 340

<210> 467

<211> 24

<212> PRT

<213> Homo sapiens

<400> 467

Thr Phe Gln Gly Val Gly Asp Glu Glu Asp Glu Asp Glu Ile Ile Val
 1 5 10 15

Pro Lys Lys Lys Leu Val Asp Pro
 20

<210> 468

<211> 27

<212> PRT

<213> Homo sapiens

<400> 468

Pro Gly Ser Arg Phe Lys Gly Lys His Ser Leu Asp Ser Asp Glu Glu
 1 5 10 15

Glu Asp Asp Asp Asp Gly Gly Ser Ser Lys Tyr
 20 25

<210> 469

<211> 25

<212> PRT

<213> Homo sapiens

<400> 469

Glu Ala Ala Thr Leu Pro Ser Glu Gly Gly Val Arg Ile Thr Pro Phe
 1 5 10 15

Asn Leu Gln Glu Glu Met Glu Glu Gly
 20 25

<210> 470

<211> 29

<212> PRT

<213> Homo sapiens

<400> 470

Phe Leu Asn Arg Asp Ala Gln Ile Arg Asp Ser Trp Leu Asp Asn Ile
 1 5 10 15

Asp Trp Val Lys Ile Arg Glu Arg Pro Pro Gly Gln Arg
 20 25

<210> 471

<211> 26

<212> PRT

<213> Homo sapiens

<400> 471

Ser Leu Gly Gln Thr Ser Met Ser Ala Gln Ala Leu Leu Glu Gly Leu
 1 5 10 15

Leu Glu Leu Leu Leu Pro Arg Glu Thr Val
 20 25

<210> 472

<211> 28

<212> PRT

<213> Homo sapiens

<400> 472

Arg Gly Gly Gly Lys Gly Arg Lys Gly Pro Gly Gln Pro Ser Ser Pro
 1 5 10 15

Gln Arg Leu Asp Arg Leu Ser Gly Leu Ala Asp Gln
20 25

<210> 473
<211> 24
<212> PRT
<213> Homo sapiens

<400> 473
Gln Glu Thr Arg Glu Arg Leu Ala Met Arg Leu Lys Gly Leu Gly Cys
1 5 10 15

Gln Thr Leu Gly Pro His Asn Pro
20

<210> 474
<211> 28
<212> PRT
<213> Homo sapiens

<400> 474
Asp Met Phe Ala Glu Glu Leu Ala Glu Glu Glu Leu Glu Thr Pro Thr
1 5 10 15

Pro Thr Gln Arg Gly Glu Ala Glu Ser Arg Gly Asp
20 25

<210> 475
<211> 30
<212> PRT
<213> Homo sapiens

<400> 475
Glu Leu Tyr Gly Pro Phe Thr Ser Ala Gln Met Gln Thr Trp Val Ser
1 5 10 15

Glu Gly Tyr Phe Pro Asp Gly Val Tyr Cys Arg Lys Leu Asp
20 25 30

<210> 476
<211> 14
<212> PRT
<213> Homo sapiens

<400> 476
Pro His Ser Ser Arg Val Ser Phe Leu Gln Ser Leu Ser Phe
1 5 10

<210> 477
<211> 141
<212> PRT
<213> Homo sapiens

<400> 477

Lys Thr Leu Lys Lys

130

<210> 479

<211> 25

<212> PRT

<213> Homo sapiens

<400> 479

Val	Cys	Leu	Ser	Pro	His	Ser	Arg	Phe	Trp	Glu	Cys	Cys	Ser	Phe	Tyr
1				5					10					15	

Leu	Gln	Gly	Leu	Pro	Ala	Leu	Arg	Cys
		20					25	

<210> 480

<211> 27

<212> PRT

<213> Homo sapiens

<400> 480

Gln	Phe	Ser	Arg	Ala	Leu	Trp	Val	Ser	Thr	Cys	Leu	Val	Leu	Ala	Ile
1				5					10					15	

Thr	Pro	Gly	Lys	Trp	Leu	Leu	Pro	Glu	Asp	Arg
		20						25		

<210> 481

<211> 27

<212> PRT

<213> Homo sapiens

<400> 481

Ser	Leu	Ser	Leu	Leu	Arg	Ala	Gln	Thr	Gly	Thr	Asp	Cys	Ala	Val	Ser
1				5					10					15	

Pro	Gly	Leu	Ala	Gly	Pro	Cys	His	Gln	Arg	Gly
		20						25		

<210> 482

<211> 28

<212> PRT

<213> Homo sapiens

<400> 482

Ser	Gly	Arg	Ser	His	Phe	Pro	Gly	Val	Met	Ala	Lys	Thr	Lys	His	Val
1				5					10					15	

Asp	Thr	His	Asn	Ala	Arg	Glu	Asn	Trp	Ile	Arg	Thr
		20						25			

<210> 483

<211> 91

<212> PRT

<213> Homo sapiens

<400> 483

Ala Arg Gly Trp Glu Cys Glu Glu Gly Ser Pro Gly Pro Val Phe Arg
 1 5 10 15

Gly Cys Ala Ser Pro Arg Thr Pro Val Ser Gly Asn Ala Val Pro Ser
 20 25 30

Thr Phe Arg Ala Cys Pro Pro Cys Gly Val Ala Ala Leu Leu Pro Gly
 35 40 45

Val Ile Ser Ser Glu Ser Phe Leu His Ala Leu Phe Pro Pro His Val
 50 55 60

Pro Pro Arg Ala Leu Pro Thr Ser Val Pro Trp Phe Gly Ser Ser Ser
 65 70 75 80

Pro Val Arg Tyr Gly Tyr Pro Arg Val Trp Ser
 85 90

<210> 484

<211> 20

<212> PRT

<213> Homo sapiens

<400> 484

Ala Arg Val Glu Val Gln Gly Gln Gly Pro Gly Ala Lys Val Asp Ala
 1 5 10 15

Gly Glu Gly Gln
 20

<210> 485

<211> 121

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (98)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

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35					40					45					
Val	Glu	Leu	Arg	Leu	Gly	Phe	Glu	Ser	Gly	Met	Gly	Trp	Gly	Val	Pro
50						55					60				
Gly	Ser	Ser	His	Ser	Glu	Gly	Gly	Pro	Glu	Ala	Arg	Trp	Pro	Leu	Ile
65					70					75				80	
Ala	Pro	Met	Tyr	Thr	Val	Thr	Gln	Trp	Phe	Gln	Arg	Pro	Asn	Ser	Gly
				85					90					95	
Arg	Gly	Pro	Gln	Pro	Pro	Pro	Gln	Xaa	Arg	Gly	Glu	Ile	Gly	Lys	Arg
			100					105					110		
Gly	Tyr	Gly	Ala	Pro	Glu	Arg	Lys	Leu	Arg	Trp	Pro	Leu	Leu	Xaa	Trp
		115					120					125			
Glu	Arg	Xaa	Pro	Pro	Pro	Pro	Pro	Thr	Pro	Gly	Arg	His	Ser	Glu	Thr
	130						135				140				
Ser	Ser	Ser	Ala	Ile	Ser	Phe	Leu	Phe	His	Ser	Gln	Arg	Thr	Gly	Trp
145					150					155					160
Gly	Ile	Ser	Ser	Ser	Ala	Asn	Gly	Ala	Ser	Gln	Gly	Leu	Leu	Trp	Gly
				165					170					175	
Ala	Ala	Arg	Xaa	Leu	Pro	Ile	Pro	Gly	Arg	Asp	Leu	Gly	Thr	His	Leu
			180					185					190		
Trp	Asp	Leu	Val	Ala	Ser	Phe	Pro	Phe	Phe	Cys	Pro	Ser	Gly		
	195						200					205			

<210> 487
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 487
 Pro Glu Gly Gln Lys Lys Gly Lys Glu Ala Thr Arg Ser His Arg Trp
 1 5 10 15

Val Pro Arg Ser Leu Pro Gly Met
 20

<210> 488
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 488
 Leu Arg Leu Gly Phe Glu Ser Gly Met Gly Trp Gly Val Pro Gly Ser
 1 5 10 15

Ser His Ser Glu Gly Gly Pro Glu Ala Arg
 20 25

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<210> 489
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 489
 His Ser Gln Arg Thr Gly Trp Gly Ile Ser Ser Ser Ala Asn Gly Ala
 1 5 10 15
 Ser Gln Gly Leu Leu Trp Gly Ala
 20

<210> 490
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 490
 Asp Ser Leu Thr Ile Lys Ser Gly Ser Gln Pro Gln Tyr Ser Pro Ala
 1 5 10 15
 Ile Thr Leu Trp
 20

<210> 491
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 491
 Phe Ile Met Lys Leu Leu Tyr Gln Leu Leu Met Leu Thr Thr Ser Ser
 1 5 10 15
 Ser Tyr Ser Leu Ile Thr His Leu Cys Tyr Ser Ile Phe Leu Cys Ser
 20 25 30
 Phe Tyr Phe His Phe Pro Cys Asn Val Ser Leu Phe Val Leu Ile Ser
 35 40 45
 Glu Glu Phe Ile Tyr Asp
 50

<210> 492
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 492
 Leu Met Leu Thr Thr Ser Ser Ser Tyr Ser Leu Ile Thr His Leu Cys
 1 5 10 15
 Tyr Ser Ile Phe Leu
 20

<210> 493

<213> Homo sapiens

Leu Ile Ser Glu Glu
20

<213> Homo sapiens

Arg Glu Val Lys Ile Lys Gly Thr Glu Glu Asn Gly Ile Ala Gln Met
35 40 45

Ser Tyr Lys Ala Ile
50

<213> Homo sapiens

Tyr. Lys Glu Thr Asn
20

<213> Homo sapiens

Ala Gln Met Ser Tyr
20

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<212> PRT
 <213> Homo sapiens

<400> 497
 Gly Ile Ser Glu Arg Lys Pro
 1 5

<210> 498
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 498
 Gln Ser Pro Ala Val Ser Tyr Thr Val Thr Ser Gln Val Pro Trp Gly
 1 5 10 15

Leu Gly Leu Leu Ala Gly Glu Lys Arg
 20 25

<210> 499
 <211> 100
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (96)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 499
 Leu Pro Ser His Pro Leu Arg Pro Leu Thr Phe Ser Ser Ala Met Cys
 1 5 10 15

Met His Leu Pro Pro Pro Leu Cys Arg Arg Ala Ala Leu Ser Ala Pro
 20 25 30

Phe Ala Thr Gln His Arg Pro Trp Ser Val Ala Ala Ala Cys Leu Pro
 35 40 45

Arg Ile His Gln Asn Pro Leu Asp Ala Glu Tyr Pro Ser Gly Cys Cys
 50 55 60

Arg Met Ser Phe Leu Pro Ala Ala Cys Ser Asn Ile Tyr Ser Gln Glu
 65 70 75 80

Cys His Tyr Thr Leu Met Ser His Ser Glu Ala Ser Thr Leu Gln Xaa
 85 90 95

Ala Gln Leu Leu
 100

<210> 500
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 500

Met Leu Leu Gln Ala Ala Gly Arg Lys Leu Met Arg Gln Gln Pro Asp
 1 5 10 15

Gly Tyr Ser Ala Ser Arg Gly Phe Trp Trp Met Arg Gly Arg Gln Ala
 20 25 30

Ala Ala Thr Leu His Gly Arg Cys Trp Val Ala Lys Gly Ala Asp Ser
 35 40 45

Ala Ala Leu Arg Gln Arg Gly Gly Gly Arg Cys Met His Ile Ala Asp
 50 55 60

Glu Lys Val Arg Gly Leu Ser Gly Cys Asp Gly Ser
 65 70 75

<210> 501

<211> 25

<212> PRT

<213> Homo sapiens

<400> 501

Leu Cys Arg Arg Ala Ala Leu Ser Ala Pro Phe Ala Thr Gln His Arg
 1 5 10 15

Pro Trp Ser Val Ala Ala Ala Cys Leu
 20 25

<210> 502

<211> 24

<212> PRT

<213> Homo sapiens

<400> 502

Arg Gly Phe Trp Trp Met Arg Gly Arg Gln Ala Ala Ala Thr Leu His
 1 5 10 15

Gly Arg Cys Trp Val Ala Lys Gly
 20

<210> 503

<211> 23

<212> PRT

<213> Homo sapiens

<400> 503

Gln Arg Gly Gly Gly Arg Cys Met His Ile Ala Asp Glu Lys Val Arg
 1 5 10 15

Gly Leu Ser Gly Cys Asp Gly
 20

<210> 504

<211> 106

<212> PRT

<213> Homo sapiens

<400> 504

Thr His Pro Ser His Pro Ser Ile Val Ile Gln Ser Thr Val Ser Leu
1 5 10 15

Cys Leu Thr Ala Ser Ser Arg Arg Lys Lys Ser Asp Cys Leu Ser Leu
20 25 30

Cys Gln Val Ser Cys Ser Gln Arg Pro Gly Ser His Lys Thr Asn Val
35 40 45

Ala Trp Gly Phe Leu Met Ser Arg Val His Phe Ser Val Arg Trp Val
50 55 60

Ser Gly Gly Arg Gly Ile Thr Gly Ala Ile Cys Lys Glu Ser Ser Leu
65 70 75 80

Pro Cys Lys Glu Ile Gln Gly Lys Ala Cys Tyr Phe Cys His His Pro
85 90 95

Ala Gln Gln Ser Thr Pro Phe Ser His Ile
100 105

<210> 505

<211> 27

<212> PRT

<213> Homo sapiens

<400> 505

Val Ile Gln Ser Thr Val Ser Leu Cys Leu Thr Ala Ser Ser Arg Arg
1 5 10 15

Lys Lys Ser Asp Cys Leu Ser Leu Cys Gln Val
20 25

<210> 506

<211> 26

<212> PRT

<213> Homo sapiens

<400> 506

Ile Cys Lys Glu Ser Ser Leu Pro Cys Lys Glu Ile Gln Gly Lys Ala
1 5 10 15

Cys Tyr Phe Cys His His Pro Ala Gln Gln
20 25

<210> 507

<211> 11

<212> PRT

<213> Homo sapiens

<400> 507

Pro Thr Arg Pro Pro Thr Arg Pro Ala Gly Lys
1 5 10

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<400> 508
Ser Ile Thr Lys Tyr Cys Gln Gly Cys Arg Lys Ile Gly Ala Leu Leu
  1             5             10             15
Pro Trp Trp Glu Cys Asn Met Val Pro Asp Thr Thr Ser Ile Leu Lys
  2             20             25             30
Leu Ile Cys
      35

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<220>
<221> SITE
<222> (140)
<223> Xaa equals any of the naturally occurring L-amino acids

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<400> 509
Ser Leu Gln Val Leu Arg Thr Leu Gly Ser Lys Cys Gly Asp Phe Leu
1 5 10 15

Val Thr Gln Ala Pro Ile Ser Ala Arg Ala Gly Pro Val Tyr Ser His
35 40 45

Leu Cys Glu Arg Leu Asp Leu Gly Glu Gly Asp Leu Asn Lys Val Ala
65 70 75 80

Glu Ala Ala Arg Ser Val Phe Leu His Leu Met Lys Val Asp Pro Asp
100 105 110

Pro Pro His Pro Ser Leu His Pro Val Gln Leu Xaa Gly Ala Ser Gly

130 135 140

Gln Gln Asn Pro Xaa His Asp Gln Arg Ala Pro Ala Ala Gln Gly Ala
145 150 155 160

Ala Val Thr Leu Leu Pro His His Arg Gly His Arg Ser Leu Pro Tyr
165 170 175

Cys Gln Pro Glu Ala Gly Leu Thr Pro Pro Arg Pro
180 185

<210> 510

<211> 138

<212> PRT

<213> Homo sapiens

<400> 510

Gly Ala Asp Gly Asn Val Ser Asp Phe Asp Asn Glu Glu Glu Glu Gln
1 5 10 15

Ser Val Pro Pro Lys Val Asp Glu Asn Asp Thr Arg Pro Asp Val Glu
20 25 30

Pro Pro Leu Pro Leu Gln Ile Gln Ile Ala Met Asp Val Met Glu Arg
35 40 45

Cys Ile His Leu Leu Ser Asp Lys Asn Leu Gln Ile Arg Leu Lys Val
50 55 60

Leu Asp Val Leu Asp Leu Cys Val Val Val Leu Gln Ser His Lys Asn
65 70 75 80

Gln Leu Leu Pro Leu Ala His Gln Ala Trp Pro Ser Leu Val His Arg
85 90 95

Leu Thr Arg Asp Ala Pro Leu Ala Val Leu Arg Ala Phe Lys Phe Tyr
100 105 110

Val Pro Trp Glu Ala Ser Val Val Thr Phe Phe Ala Ala Gly Ser Ala
115 120 125

Lys Met Ser Cys Gln Ser Trp Leu Ala Pro
130 135

<210> 511

<211> 26

<212> PRT

<213> Homo sapiens

<400> 511

Thr Leu Gly Ser Lys Cys Gly Asp Phe Leu Arg Ser Arg Phe Cys Lys
1 5 10 15

Asp Val Leu Pro Lys Leu Ala Gly Ser Leu
20 25

030115683 032801

Lys Phe Lys Val Leu Cys Thr Thr Pro Asn Lys Tyr Val Val Val Asp
 50 55 60
 Ala Ala Gly Ala Val Lys Pro Gln Cys Cys Val Asp Ile Val Ile Arg
 65 70 75 80
 His Arg Asp Val Arg Ser Cys His Tyr Gly Val Ile Asp Lys Phe Arg
 85 90 95
 Leu Gln Val Ser Glu Gln Ser Gln Arg Lys Ala Leu Gly Lys Lys Arg
 100 105 110
 Gly Cys Cys Tyr Ser Ser Pro Ile Ser Lys Arg Thr Thr Lys Gly Arg
 115 120 125
 Arg Gly Lys Lys Ile Lys Gly Thr Phe Asn Xaa Xaa Phe Ile Phe
 130 135 140

<210> 520

<211> 75

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (50)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (72)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (74)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 520

Met Asn Ser Phe Ser Val Ile Ala Ser Ile Val Val Leu Leu Pro Phe
 1 5 10 15

Pro Gly Leu Ser Val Ser Ala Cys Leu Pro Ser His Ser His Gln Cys
 20 25 30

Lys Thr Phe Ile Leu Leu Phe Leu Pro Ser Ser Glu Lys Thr Leu Xaa
 35 40 45

00010000 032001

Glu Thr Val Ser Gln Ser Lys Gln Ser Leu Thr Ser Leu Val Tyr Ser
100 105 110

Val Asn Glu Leu Leu Val Leu Ser Asn Leu Ala Gln Trp Ala Leu Gly
 115 120 125

<210> 526
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 526
 Ala Trp Lys Pro Lys Gly Thr Asp Asp Ile Cys Thr Ser His Asn Thr
 1 5 10 15

Thr His Ile Gln Lys Met Pro
 20

<210> 527
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 527
 Cys Pro Arg Gly Ala Lys Ser Tyr His Ile Asp Cys Trp Pro Pro Ala
 1 5 10 15

Leu Phe Pro Arg Cys Val Ala Tyr Leu
 20 25

<210> 528
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 528
 Ser Tyr His Ile Asp Cys Trp Pro Pro Ala Leu Phe Pro Arg Cys Val
 1 5 10 15

Ala Tyr Leu Phe Leu Asn Lys Pro Ala Thr
 20 25

<210> 529
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 529
 Arg Lys Lys Tyr Tyr Cys Lys Pro Tyr His Thr Gln Leu His Pro Ala
 1 5 10 15

Trp His Arg Glu Lys Ser Ala Phe Trp Ile Phe Glu Thr
 20 25

<210> 530
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 530
 Ile Cys Leu Asp Ser Cys Ser Gln Val Ser Val Thr Ser Leu Trp Ser
 1 5 10 15

Phe Leu Arg Val His Ser Leu Val Gln Thr Leu Trp
 20 25

<210> 531
 <211> 75
 <212> PRT
 <213> Homo sapiens

<400> 531
 His Tyr Cys Cys Asp Phe Gly Thr Ser Leu Leu Gly Phe Tyr Val Pro
 1 5 10 15

Phe His Tyr Tyr Val His Met Val Asn Ile Ile Leu Thr Thr Ile Asp
 20 25 30

Phe Tyr His Tyr Lys Phe Cys Cys Ser Gln Asn Ala Asn Lys His Cys
 35 40 45

Phe Lys His Phe Gln Ile Met Thr Thr Val Pro Tyr Leu Asn Ile Asn
 50 55 60

Lys Glu Asn Leu Arg Phe Lys Asn Ile Phe Lys
 65 70 75

<210> 532
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 532
 Thr Ser Leu Leu Gly Phe Tyr Val Pro Phe His Tyr Tyr Val His Met
 1 5 10 15

Val Asn Ile Ile Leu Thr Thr Ile Asp Phe Tyr
 20 25

<210> 533
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 533
 Phe Gln Ile Met Thr Thr Val Pro Tyr Leu Asn Ile Asn Lys Glu Asn
 1 5 10 15

Leu Arg Phe Lys Asn Ile

125

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<210> 539
<211> 25
<212> PRT
<213> Homo sapiens

<400> 539
Ala Leu Tyr Ser Ile Gln Trp Ala Leu Leu Ala Asn Ser Leu Tyr Phe
 1             5             10             15
Gln Val Pro Ser Pro Leu Ser Met Leu
          20             25

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Thr Cys Ser Thr Thr Ala Leu Lys Lys Tyr Val Leu Glu Asn His Pro
 50 55 60
 Gly Thr Asn Ser Asn Tyr Gln Met His Leu Leu Lys Lys Thr Leu Gln
 65 70 75 80
 Lys Cys Glu Lys Asn Gly Trp Met Glu Gln Ile Ser Gly Lys Gly Phe
 85 90 95
 Ser Gly Thr Phe Gln Leu Cys Phe Pro Tyr Tyr Pro Ser Pro Gly Val
 100 105 110
 Leu Phe Pro Lys Lys Glu Pro Asp Asp Ser Arg Asp Glu Asp Glu Asp
 115 120 125
 Glu Asp Glu Ser Ser Glu Glu Asp Ser Glu Asp Glu Glu Pro Pro Pro
 130 135 140
 Lys Arg Arg Leu Gln Lys Lys Thr Pro Ala Lys Ser Pro Gly Lys Ala
 145 150 155 160
 Ala Ser Val Lys Gln Arg Gly Ser Lys Pro Ala Pro Lys Val Ser Ala
 165 170 175
 Ala Gln Arg Gly Lys Ala Arg Pro Leu Pro Lys Lys Ala Pro Pro Lys
 180 185 190
 Ala Lys Thr Pro Ala Lys Lys Thr Arg Pro Ser Ser Thr Val Ile Lys
 195 200 205
 Lys Pro Ser Gly Gly Ser Ser Lys Lys Pro Ala Thr Ser Ala Arg Lys
 210 215 220
 Glu Val Lys Leu Pro Gly Lys Gly Lys Ser Thr Met Lys Lys Ser Phe
 225 230 235 240
 Arg Val Lys Lys

<210> 544

<211> 152

<212> PRT

<213> Homo sapiens

<400> 544

Asp Phe Glu Phe His His Asp Thr Leu Phe Ser Tyr Lys Ile Tyr Phe
 1 5 10 15

Phe Thr Leu Lys Asp Phe Phe Met Val Asp Leu Pro Leu Pro Gly Asn
 20 25 30

Phe Thr Ser Phe Leu Ala Leu Val Ala Gly Phe Phe Glu Glu Pro Pro
 35 40 45

Leu Gly Phe Leu Met Thr Val Asp Glu Gly Leu Val Phe Leu Ala Gly
 50 55 60

Val Leu Ala Leu Gly Gly Ala Phe Leu Gly Lys Gly Leu Ala Phe Pro

<212> PRT

<213> Homo sapiens

<400> 548

Ser Ser Lys Lys Pro Ala Thr Ser Ala Arg Lys Glu Val Lys Leu Pro
 1 5 10 15

Gly Lys Gly Lys Ser Thr Met Lys Lys Ser Phe Arg
 20 25

<210> 549

<211> 23

<212> PRT

<213> Homo sapiens

<400> 549

Val Asp Glu Gly Leu Val Phe Leu Ala Gly Val Leu Ala Leu Gly Gly
 1 5 10 15

Ala Phe Leu Gly Lys Gly Leu
 20

<210> 550

<211> 25

<212> PRT

<213> Homo sapiens

<400> 550

Gly Leu Asp Pro Leu Cys Phe Thr Asp Ala Ala Phe Pro Gly Asp Leu
 1 5 10 15

Ala Gly Val Phe Phe Cys Asn Leu Leu
 20 25

<210> 551

<211> 59

<212> PRT

<213> Homo sapiens

<400> 551

Thr Met Leu Phe Tyr Leu Ser Ser Gln Pro Asp Trp Gln Leu Asp Phe
 1 5 10 15

Phe Arg Val Ser Phe Asn Gly Pro Val Phe Phe Ile Ile Ile Phe Asn
 20 25 30

Asp Arg Ala Gly Phe Arg Met Gln Ala Leu Val Ser Gln Ala Ala Cys
 35 40 45

Arg Arg Ser Arg Tyr Lys Leu Ser Val Val Tyr
 50 55

<210> 552

<211> 23

<212> PRT

<213> Homo sapiens

Gly Gln Glu Glu Trp Thr Asn Ser Arg His Lys Ala Pro Ser Ala Arg
1 5 10 15

Thr Ala Lys Gly Val Tyr Arg Asp Gln Pro Tyr Gly Arg Tyr
20 25 30

<211> 26

<213> Homo sapiens

Ile Leu Ala Ile Ser Leu Ala Gln Asn Phe Thr Pro Ser Trp Lys Gly
1 5 10 15

Gly Glu Arg Glu Cys Ser Asp Leu Tyr Leu
20 25

<211> 11

<213> Homo sapiens

Leu Gln Thr Tyr Leu Ser Pro Tyr Lys Leu Phe
1 5 10

<211> 22

<213> Homo sapiens

Leu Ala Ala Gly Ile Leu Asn Ser Ser Leu Pro Ala Leu Tyr His Ser
1 5 10 15

Val Glu Glu Ile Ser Gln
20

<211> 45

<213> Homo sapiens

Xaa Tyr Arg Met Asn Thr Lys Phe Leu Glu Ser Tyr Lys Met Ser Thr
1 5 10 15

Thr Leu Ser Arg Arg His Gln Asn Val Ser Leu Cys Lys Asp Met Lys
20 25 30

Thr Pro Ala Gly Thr Asp Thr Lys Ile Ala Phe Leu Glu
 35 40 45

<210> 559

<211> 21

<212> PRT

<213> Homo sapiens

<400> 559

Ser Tyr Lys Met Ser Thr Thr Leu Ser Arg Arg His Gln Asn Val Ser
 1 5 10 15

Leu Cys Lys Asp Met
 20

<210> 560

<211> 57

<212> PRT

<213> Homo sapiens

<400> 560

Ile Cys Ile Glu Ser Leu Met Leu His Tyr Ile Ala Leu Val Phe Glu
 1 5 10 15

Met Ala Phe Met Phe Pro Leu Val Tyr His Glu Met Gly Ser Asp Ser
 20 25 30

Ile Arg Phe His Leu Cys Gln Val Asp Ser Cys Leu Pro Ser Met Met
 35 40 45

Arg Phe Phe Phe Ser Phe Pro Phe Leu
 50 55

<210> 561

<211> 21

<212> PRT

<213> Homo sapiens

<400> 561

Tyr Ile Ala Leu Val Phe Glu Met Ala Phe Met Phe Pro Leu Val Tyr
 1 5 10 15

His Glu Met Gly Ser
 20

<210> 562

<211> 21

<212> PRT

<213> Homo sapiens

<400> 562

Ser Asp Ser Ile Arg Phe His Leu Cys Gln Val Asp Ser Cys Leu Pro
 1 5 10 15

Ser Met Met Arg Phe

20

<210> 563

<211> 115

<212> PRT

<213> Homo sapiens

<400> 563

Gly Gly Val Ser Val Gln Asp Gly Ser Leu Arg Glu Glu Thr Asp Val
 1 5 10 15

Gly Glu Gly Gly Arg Pro Arg Gly Gly Gln Ser Glu Gly Ala Arg Val
 20 25 30

Thr Arg Arg Pro Ser Pro Pro Asp Ser Asn Ala Ser Ala Phe Asp Leu
 35 40 45

Asp Leu Asp Phe Ser Pro Phe Cys Ile Trp Cys Tyr Arg Leu Glu Thr
 50 55 60

Pro Ala Glu Val Val Phe Ser Pro Ala Pro Leu Arg Leu Ser Gly Pro
 65 70 75 80

Gly Leu Ala Pro Val Val Phe Val Ser Thr Leu Pro Ser Leu Gln Pro
 85 90 95

Ser Ser Phe Cys Gly Trp Asp Leu Pro Ala Arg Pro Arg Gly Leu Ser
 100 105 110

Gly Phe Arg
 115

<210> 564

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (82)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 564

Phe Thr Asn Lys Ser Cys Ser Lys Met Ser Ser Thr His Leu Tyr Lys
 1 5 10 15

Gly Ser Asp Val Leu Cys Tyr Ala Arg Ser Ser Glu Ser Met Ser Leu
 20 25 30

Ser Cys Gly Asp Val Ala Asn Ala Gly Arg Leu Thr Pro Arg Leu His
 35 40 45

Leu Ala Arg Ser Ala Ser Gln Gly Pro Pro Thr Leu Pro Arg Val Pro
 50 55 60

Pro Arg Gly Ser Arg Pro Pro Thr Ala Gly Glu Ser Pro Ala Pro Arg
 65 70 75 80

Thr Xaa Ser Leu Glu Asn His Lys Asn Ile Asp His Leu Ser Ser Asn
85 90 95

Ser His Gly Lys Phe Arg Ile Tyr Gly Gln Asn Asp Ile Lys Ile
100 105 110

<210> 565

<211> 80

<212> PRT

<213> Homo sapiens

<400> 565

Gln Asp Val Ile Tyr Thr Phe Val Gln Arg Phe Arg Arg Pro Met Leu
1 5 10 15

Cys Thr Ile Leu Arg Lys Tyr Glu Pro Val Val Arg Gly Arg Arg Lys
20 25 30

Arg Trp Gln Ala His Pro Ser Ser Ala Phe Gly Lys Lys Arg Leu Pro
35 40 45

Arg Pro Pro His Pro Ala Gln Gly Ala Pro Gln Arg Glu Gln Ala Ser
50 55 60

His Ser Trp Arg Glu Pro Gly Pro Gln Asn Thr Phe Pro Arg Lys Pro
65 70 75 80

<210> 566

<211> 22

<212> PRT

<213> Homo sapiens

<400> 566

Arg Glu Glu Thr Asp Val Gly Glu Gly Gly Arg Pro Arg Gly Gly Gln
1 5 10 15

Ser Glu Gly Ala Arg Val
20

<210> 567

<211> 27

<212> PRT

<213> Homo sapiens

<400> 567

Gly Pro Gly Leu Ala Pro Val Val Phe Val Ser Thr Leu Pro Ser Leu
1 5 10 15

Gln Pro Ser Ser Phe Cys Gly Trp Asp Leu Pro
20 25

<210> 568

<211> 24

<212> PRT

<213> Homo sapiens

<400> 568

Met Ser Ser Thr His Leu Tyr Lys Gly Ser Asp Val Leu Cys Tyr Ala
 1 5 10 15

Arg Ser Ser Glu Ser Met Ser Leu
 20

<210> 569

<211> 28

<212> PRT

<213> Homo sapiens

<400> 569

Ser Gln Gly Pro Pro Thr Leu Pro Arg Val Pro Pro Arg Gly Ser Arg
 1 5 10 15

Pro Pro Thr Ala Gly Glu Ser Pro Ala Pro Arg Thr
 20 25

<210> 570

<211> 25

<212> PRT

<213> Homo sapiens

<400> 570

Arg Phe Arg Arg Pro Met Leu Cys Thr Ile Leu Arg Lys Tyr Glu Pro
 1 5 10 15

Val Val Arg Gly Arg Arg Lys Arg Trp
 20 25

<210> 571

<211> 24

<212> PRT

<213> Homo sapiens

<400> 571

Arg Leu Pro Arg Pro Pro His Pro Ala Gln Gly Ala Pro Gln Arg Glu
 1 5 10 15

Gln Ala Ser His Ser Trp Arg Glu
 20

<210> 572

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

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<223> Xaa equals any of the naturally occurring L-amino acids

Arg Gly Met Arg Gly Arg Trp Leu Val Ser Ser Gly Ala Ala Phe Pro
1 5 10 15

Gly Ser Val Leu Leu His Trp Arg Pro Asn Xaa Val Leu Ile Glu Ile
35 40 45

Lys Thr Ser Leu Thr Phe Ile Tyr Gly Lys Val Glu Glu Val Leu Asn
65 70 75 80

<223> Xaa equals any of the naturally occurring L-amino acids

Leu Lys Leu Ser Ser Ala Asp Ser Gln Ala Ile Met Asn Ile Phe Ser
1 5 10 15

Pro Asn Arg Ala Pro Gln Gly Gly Ala Ala Ala Asn Leu Trp His Glu
35 40 45

Ala His Gln Ala Ser Ala Gln Arg Gly Ala Ala Gln Leu Pro Arg Glu
65 70 75 80

<220>

<221> SITE

<222> (28)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 574

Pro Ile Pro Leu Asn Gly Phe Cys Glu Ser Arg Glu Phe Phe Pro Asp
1 5 10 15

Ser Gly Ser Val Leu Leu His Trp Arg Pro Asn Xaa
20 25

<210> 575

<211> 29

<212> PRT

<213> Homo sapiens

<400> 575

Asn Ile Phe Ser Ala Asp Cys Met Pro Arg Leu His Ile Ala Leu Gln
1 5 10 15

Thr Glu Met Ile Pro Asn Arg Ala Pro Gln Gly Gly Ala
20 25

<210> 576

<211> 37

<212> PRT

<213> Homo sapiens

<400> 576

Thr Phe Arg Leu Val Ser Ala His Leu Lys Thr Arg Lys Leu Ile Asn
1 5 10 15

Pro Glu Ala Ala Glu Arg Arg Trp Arg Asp Trp Asp Ser Arg Gln Gly
20 25 30

Trp Leu Ser Val Lys
35

<210> 577

<211> 21

<212> PRT

<213> Homo sapiens

<400> 577

Lys Thr Arg Lys Leu Ile Asn Pro Glu Ala Ala Glu Arg Arg Trp Arg
1 5 10 15

Asp Trp Asp Ser Arg
20

<210> 578

<211> 83

<212> PRT

<213> Homo sapiens

0001550 000000

<400> 581

Asn Arg Leu Asn Leu Gly Asp Arg Gly Cys Thr Glu Leu Leu His Ser
 1 5 10 15

Ser Leu Gly Asn Arg Val Arg Leu Ser Lys Lys Lys Glu
 20 25

<210> 582

<211> 8

<212> PRT

<213> Homo sapiens

<400> 582

His Glu Ile Phe Gly Gln Val Phe
 1 5

<210> 583

<211> 17

<212> PRT

<213> Homo sapiens

<400> 583

His Ala Ser Glu His Leu Ala Ala Leu Pro Val Asn Val Lys Ile Gly
 1 5 10 15

Lys

<210> 584

<211> 77

<212> PRT

<213> Homo sapiens

<400> 584

Leu Val Cys Ile Leu Leu Val His Trp Ile Pro Pro Leu Gly Ala Trp
 1 5 10 15

Gly Leu Ser Leu Met Leu Phe Leu Ile Leu Glu Gln Arg Cys Gly Lys
 20 25 30

Gly Lys Trp Arg Asn Ala Leu Leu Ser Val Ser Phe Ser Val Pro Gln
 35 40 45

Leu Gln Met Gln Lys Val Ser Leu Asp Ser Thr Pro Leu Asn Val Asn
 50 55 60

His Asp Lys Met Asp Ile Trp Lys Leu Thr Pro Lys Leu
 65 70 75

<210> 585

<211> 57

<212> PRT

<213> Homo sapiens

75

Cys Val Phe Leu Ala Pro Thr Phe Ser Gly Leu Thr Ser Ile Ser Thr
85 90 95

Phe Leu Leu Thr Arg Glu Leu Trp Asn Gln Gly Ala Gly Leu Leu Ala
 100 105 110
 Ala Cys Phe Ile Ala Ile Val Pro Gly Tyr Ile Ser Arg Ser Val Ala
 115 120 125
 Gly Ser Phe Asp Asn Glu Gly Ile Ala Ile Phe Ala Leu Gln Phe Thr
 130 135 140
 Tyr Tyr Leu Trp Val Lys Ser Val Lys Thr Gly Ser Val Phe Trp Thr
 145 150 155 160
 Met Cys Cys Cys Leu Ser Tyr Phe Tyr Met Val Ser Ala Trp Gly Gly
 165 170 175
 Tyr Val Phe Ile Ile Asn Leu Ile Pro Leu His Val Phe Val Leu Leu
 180 185 190
 Leu Met Gln Arg Tyr Ser Lys Arg Val Tyr Ile Ala Tyr Ser Thr Phe
 195 200 205
 Tyr Ile Val Gly Leu Ile Leu Ser Met Gln Ile Pro Phe Val Gly Phe
 210 215 220
 Gln Pro Ile Arg Thr Ser Glu His Met Ala Ala Ala Gly Val Phe Ala
 225 230 235 240
 Leu Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg Asp Arg Leu Thr
 245 250 255
 Lys Gln Glu Phe Gln Thr Leu Phe Phe Leu Gly Val Ser Leu Ala Ala
 260 265 270
 Gly Ala Val Phe Leu Ser Val Ile Tyr Leu Thr Tyr Thr Gly Tyr Ile
 275 280 285
 Ala Pro Trp Ser Gly Arg Phe Tyr Ser Leu Trp Asp Thr Gly Tyr Ala
 290 295 300
 Lys Ile His Ile Pro Ile Ile Ala Ser Val Ser Glu His Gln Pro Thr
 305 310 315 320
 Thr Trp Val Ser Phe Phe Phe Asp Leu His Ile Leu Val Cys Thr Phe
 325 330 335
 Pro Ala Gly Leu Trp Phe Cys Ile Lys Asn Ile Asn Asp Glu Arg Xaa
 340 345 350
 Phe Gly Lys Xaa Gly Phe
 355

<210> 592

<211> 27

<212> PRT

<213> Homo sapiens

<400> 592

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Glu Phe Asp Pro Trp Phe Asn Tyr Arg Ser Thr His His Leu Ala Ser
 1 5 10 15

His Gly Phe Tyr Glu Phe Leu Asn Trp Phe Asp
 20 25

<210> 593

<211> 23

<212> PRT

<213> Homo sapiens

<400> 593

Thr Arg Glu Leu Trp Asn Gln Gly Ala Gly Leu Leu Ala Ala Cys Phe
 1 5 10 15

Ile Ala Ile Val Pro Gly Tyr
 20

<210> 594

<211> 22

<212> PRT

<213> Homo sapiens

<400> 594

Thr Tyr Tyr Leu Trp Val Lys Ser Val Lys Thr Gly Ser Val Phe Trp
 1 5 10 15

Thr Met Cys Cys Cys Leu
 20

<210> 595

<211> 25

<212> PRT

<213> Homo sapiens

<400> 595

Gly Val Phe Ala Leu Leu Gln Ala Tyr Ala Phe Leu Gln Tyr Leu Arg
 1 5 10 15

Asp Arg Leu Thr Lys Gln Glu Phe Gln
 20 25

<210> 596

<211> 27

<212> PRT

<213> Homo sapiens

<400> 596

Tyr Ser Leu Trp Asp Thr Gly Tyr Ala Lys Ile His Ile Pro Ile Ile
 1 5 10 15

Ala Ser Val Ser Glu His Gln Pro Thr Thr Trp
 20 25

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<220>  
<221> SITE  
<222> (20)  
<223> Xaa equals any of the naturally occurring L-amino acids
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Met Gly His Met Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg Thr Met
1 5 10 15

Tyr Ala Trp Val Leu Asp Glu Thr Gly Glu Glu Arg Glu Arg Gly Val
35 40 45

Thr Leu Met Asp Ala Pro Gly His Lys Asp Phe Ile Pro Asn Met Ile
65 70 75 80

Arg Gly Glu Phe Glu Ala Gly Phe Glu Thr Gly Gly Gln Thr Arg Glu
100 105 110

Val Asn Lys Met Asp Gln Val Asn Trp Gln Gln Glu Arg Phe Gln Glu
130 135 140

Ser Asp Val Gly Phe Ile Pro Thr Ser Gly Leu Ser Gly Glu Asn Leu
165 170 175

Cys Leu Leu Glu Gln Ile Asp Ser Phe Lys Pro Pro Gln Arg Ser Ile
195 200 205

Ser Gly Phe Cys Ile Thr Gly Lys Ile Glu Ala Gly Tyr Ile Gln Thr
225 230 235 240

Gly Asp Arg Leu Leu Ala Met Pro Pro Asn Glu Thr Cys Thr Val Lys
245 250 255

Gly Ile Thr Leu His Asp Glu Pro Val Asp Trp Ala Ala Ala Gly Asp
260 265 270

His Val Ser Leu Thr Leu Val Gly Met Asp Ile Ile Lys Ile Asn Val
275 280 285

Gly Cys Ile Phe Cys Gly Pro Lys Val Pro Ile Lys Ala Cys Thr Arg
290 295 300

Phe Arg Ala Arg Ile Leu Ile Phe Asn Ile Glu Ile Pro Ile Thr Lys
305 310 315 320

Gly Phe Pro Val Leu Leu His Tyr Gln Thr Val Ser Glu Pro Ala Val
325 330 335

Ile Lys Arg Leu Ile Ser Val Leu Asn Lys Ser Thr Gly Glu Val Thr
340 345 350

Lys Lys Lys Pro Lys Phe Leu Thr Lys Gly Gln Asn Ala Leu Val Glu
355 360 365

Leu Gln Thr Gln Arg Pro Ile Ala Leu Glu Leu Tyr Lys Asp Phe Lys
370 375 380

Glu Leu Gly Arg Phe Met Leu Arg Tyr Gly Gly Ser Thr Ile Ala Ala
385 390 395 400

Gly Val Val Thr Glu Ile Lys Glu
405

<210> 598

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 598

Leu Tyr Leu Leu Gly Asn Ile Asn Lys Arg Thr Met His Lys Tyr Xaa
1 5 10 15

Gln Glu Ser Lys Lys
20

<210> 599

<211> 23

<212> PRT

<213> Homo sapiens

<400> 599

Leu Asp Glu Thr Gly Glu Glu Arg Glu Arg Gly Val Thr Met Asp Val
1 5 10 15

Gly Met Thr Lys Phe Glu Thr

20

<210> 600
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 600
 Gly His Lys Asp Phe Ile Pro Asn Met Ile Thr Gly Ala Ala Gln Ala
 1 5 10 15
 Asp Val Ala Val Leu Val
 20

<210> 601
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 601
 Gly Phe Glu Thr Gly Gly Gln Thr Arg Glu His Gly Leu Leu Val Arg
 1 5 10 15
 Ser Leu Gly Val Thr Gln Leu
 20

<210> 602
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 602
 Trp Gln Gln Glu Arg Phe Gln Glu Ile Thr Gly Lys Leu Gly His Phe
 1 5 10 15
 Leu Lys Gln Ala Gly Phe Lys
 20

<210> 603
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 603
 Thr Ser Gly Leu Ser Gly Glu Asn Leu Ile Thr Arg Ser Gln Ser Ser
 1 5 10 15
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